MSIS VESSEL FILE
TRANSACTION GUIDE

MSIS-5

CG7610-01-GF5-2201

OCT 1992

U.S.COAST GUARD

MARINE SAFETY
INFORMATION SYSTEM

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CHAPTER 1. VESSEL FILE PRODUCT SET SUMMARY

A. General.

    1. Design. The Vessel File represents the most common file
        in MSIS. This file contains information on vessel design,
        operation, and management--current and past--in varying levels
        of detail, as appropriate, to match the complexity of the vessel
        and the Coast Guard's interests in monitoring that vessel.

    2. Use. The Vessel File contains six categories of
        information: Vessel Identification Parameters and Involved
        Parties, Safety and Regulatory Documents, Vessel Particulars,
        Vessel Systems, Vessel Classes and Dangerous Cargo
        Particulars. The information in these categories is available
        in **E(ntry), U(pdate),** and **R(etrieval)** modes.

    3. Transaction Guide. This guide presents the Vessel File
        transactions, their content, and how they are to be used.
        The guide also includes a discussion of how the product
        set works with MSIS, and a discussion of how cases and
        vessels are identified and numbered. Instructions on
        logging into MSIS and terminal use are contained in the
        MSIS Basic Users Manual and Operating Guide.

B. Data Controls and Accounting Procedures.

    1. MSIS Data Controls. Because MSIS contains an integrated
        data base, updated by all functions which participate in
        MSIS, certain controls are imposed on certain data to
        ensure their correctness. From the standpoint of Vessel
        File, the combination of the following data are used to
        identify vessels:

        a. Official Number/Primary Vessel Identification Number
            (must be unique)

        b. Vessel Name

        c. Vessel Flag

        d. Vessel Call Sign (must be unique)

    2. MSIS Accounting Procedures. To delegate control over the
        data and to properly link Vessel File activities to their
        proper vessel class and party, MSIS uses a convention of
        identification numbers.

        a. Vessel Identification Number. Each vessel defined to
            MSIS has at least one vessel identification number
            (VIN) assigned to it. All linkages between activities,
            ports and vessels are done via the VIN. The

1.B.2.a. (Cont'd) VIN is essentially the name by which MSIS
recognizes a vessel. A vessel has one "primary" VIN
and up to 4 "alternate" VINs. All of these are
unique numbers and access to vessel-specific
information can be made with any of these VINs.
The criteria for establishing primary VINs is as
follows:

Vessel	Primary VIN
U.S. flag, documented	Documentation Number (D)
Non-foreign, previously documented	Documentation Number (D)
Any vessel issued Certificate of Documentation by MSIS function (upon deployment of documentation in MSIS)	Documentation Number (D)
Non-U.S., not documented, registered by Lloyd's	Lloyd's Number (L)
U.S. state numbered	State numbers
U.S. public vessel, previously documented	Documentation Number (D)
U.S. public vessel, previously owned foreign	Lloyd's Number (L)
U.S. public vessel, not previously documented	MSIS CG number (CG)
New construction	MSIS CG number (CG) until D or L is assigned
All other U.S. and foreign vessels	MSIS CG number (CG)

Please Note: An ABS number should not be assigned as
a primary VIN (it may be assigned as an alternate
VIN).

Outside of the MSIS documentation function (e.g.,
through other CG contact such as port safety
boardings, marine casualties, etc.), field users
should assign the appropriate primary VINs to vessels
as indicated above. If MSIS assigns the primary VIN,
the number will be of the form:

CGXXXXXX

where XXXXXX is a sequential number managed by MSIS.
An MSIS assigned primary VIN is unofficial in nature
and is used only to track a vessel within the system.
Alternate VINs assigned by users to vessels may be
any other numeric or alpha-numeric combination which
serves as further identification. For U.S. public
vessels, the alternate VIN may be the hull number.

1.B.2.a. (Cont'd) For new construction, the alternate VIN may be the shipyard construction or hull number.

b. <u>Class Identification Number</u>. Vessels may be associated with each other as a class based on some set of shared characteristics. Whenever such a class is created, an identification number is assigned. This number, called the Class Identification Number (CIN), may be assigned by MSIS or by the user. If entered by the user, it must be a combination of up to 8 alphanumeric characters (letters and/or numbers) which is unique to MSIS. If the CIN is assigned by MSIS, it has the following form:

SCxxxxxx

SC for	**Sequential Number**
Special Class	**Managed by MSIS**

c. <u>Involved Party Identification</u>. Whenever a person or company is defined initially to MSIS, an identification number is assigned. This number is called the "Involved Party Number" (IPN) and has the following form:

IP86XXXXXX

IP For	**Year**	**Sequential Number**
Involved Party		**Managed by MSIS**

MSIS builds histories of involved parties. Therefore, it is imperative to check and see if the party to be identified for a violation, or associated with a vessel, already exists in MSIS. If so, one can simply tell MSIS the current IPN.

C. <u>Product Descriptions</u>. The Vessel File products are designed to document a vessel's identification, involved parties and various systems information, as well as the vessel's operational and regulatory features and documents.

1. <u>Entry, Update and Retrieval Products</u>. These products are accessed using the Vessel File Entry Index (VFEI). VFEI and the other Vessel File products are described below.

a. **VFEI.** Vessel File Entry Index. This product is the master menu or index used to access all transactions in the Vessel File product set.

b. **VFID.** Vessel File Identification Data. This product is used to identify vessels to MSIS, and to change certain vessel identifying information.

1.C.1.   c. **VFDS.** Vessel File Description Summary. This product
             displays a summary of the vessel's physical and nonphysical
             descriptions.

         d. **VFIP.** Vessel File Involved Parties. VFIP is used to
             enter and selectively delete the official relationships
             between a vessel and companies or individuals.

         e. **VFLD.** Vessel File List of Documents. This product
             contains detailed information about the issuance and
             status of all of a vessel's relevant safety and
             regulatory documents.

         f. **VFPS.** Vessel File Particulars Summary. VFPS is the
             ummary of the general information about a vessel's
             design, measurements, operating route, manning and
             restrictions, stability and loadline tests, and
             Subchapter D cargo authorization.

         g. **Vessel File Particulars Details.** This is a group of
             products which describe a vessel's safety and regulatory
             documents and operational and regulatory features.
             Included in this group are: Vessel File
             Design Details (VFDD), Vessel File Vessel List of
             Documents (VFLD), Vessel File Measurement Details
             (VFMD), Vessel File Operating Details (VFOD), Vessel
             File Stability/Loadline Details (VFSL), Vessel File
             Construction Details (VFCD), Vessel File Cargo
             Authority (VFCA), Vessel File Cargo List (VFCL),
             Vessel File Conditions of Carriage (VFCC), and Vessel
             File Cargo Entitlement (VFCE).

         h. **VFSS.** Vessel File Systems Summary. VFSS is the
             summary of the general information about a vessel's
             boilers, cargo systems, hull, propulsion, steering,
             navigation equipment, electrical, pumps, deck machinery,
             lifesaving equipment, and fire-control systems.

         i. **Vessel File Systems Details.** This is a group of
             products which describe a vessel's systems in detail.
             These products include: Vessel File Boiler Details
             (VFBD), Vessel File Pressure Vessel Details (VFPV),
             Vessel File Cargo/Ballast Details (VFCS), Vessel File
             Deck Machinery Details (VFDM), Vessel File Electrical
             Details (VFED), Vessel File Fixed Fire Fighting
             Details (VFFF), Vessel File Portable Fire Fighting
             Details (VFPF), Vessel File Hull Details (VFHD),
             Vessel File Lifesaving Details (VFLS), Vessel File
             MARPOL Reception (VFMR), Vessel File Miscellaneous
             Systems (VFMS), Vessel File Navigation Details
             (VFND), Vessel File Propulsion Details (VFPP), Vessel
             File Pump Details (VFPD) and Vessel File Steering
             Details (VFSD).

1.C.1. j. **VFVS.** Vessel File Vessel Search. VFVS is used to search the MSIS data base either to locate a vessel's VIN by searching on its name or to check for the presence of a particular vessel before entering a new vessel into MSIS.

k. **VFLNV.** Vessel File List of New Vessels. VFLNV displays a list of new vessels identified to MSIS and allows deletion of selected vessels.

l. **VFLCV.** Vessel File List of Changed Vessels. VFLCV displays a list of changed vessels identified to MSIS and allows deletion of selected vessels.

m. **VFSC.** Vessel File Special Class. This product permits a series of vessels to be associated with each other as a class for MSIS manipulation.

n. **VFCM.** Vessel File Class Membership. VFCM displays the current class memberships for a designated vessel.

o. **VFVSA.** Vessel File Vessel Search Alphabetic. VFVSA allows you to search for a vessel by name, display the results of the search, and then proceed to VFID, VFEI, or VFDS, depending on your mode.

CHAPTER 2. VESSEL FILE ENTRY INDEX

A. Vessel File Entry Index--**VFEI.**

    1. **VFEI** Purpose and Description.

        a. Allows you to see information about the vessel
represented by the VIN (Vessel Identification Number)
in global.

        b. Indicates which Vessel File products contain data for
a specific vessel.

        c. Allows you to access Vessel File detail products,
using a VIN (Vessel Identification Number), call
sign, RBS hull number, or CIN (Class Identification
Number), for entering, updating, or retrieving data
for a vessel.

        d. Figure 2-1 shows the data definitions for VFEI.

    2. Accessing **VFEI.**

        a. Menu. VFEI may be accessed through the MSIS
Directory.

        b. Free-Form. VFEI can be accessed through free-form
with or without a VIN, or CIN, as follows:

            -VFEI, <E,U,R>, VIN=<Vessel Identification Number>
                      or
            -VFEI, <E,U,R>, CIN=<Class Identification Number>
                    or just
            -VFEI

            where:

            E = entry mode
            U = update mode
            R = retrieval mode
            VIN = vessel identification number
            CIN = class identification number (for special class)

            EXAMPLE:

            -VFEI, R, VIN=CG000135

        c. Selection From Other Products. VFEI cannot be
accessed from another product.

2.A.2. d. <u>Product Use Authority Levels</u>.

Retrieval - 1

3. **VFEI** <u>Data Entry Requirements and Explanation</u>.

a. <u>General Processing</u>.

(1) <u>Screen image</u>. VFEI includes a header paragraph and the Vessel File menu paragraph. The header paragraph has two lines. The first line includes slots for a vessel name, VIN, call sign, and flag. The second line has slots for a special class identifier (CIN) and an RBS hull number. The menu paragraph displays a list of the available Vessel File products. Most items on the menu include an "X" slot to indicate that data exist for the vessel shown in the header paragraph.

(2) <u>Selecting VF products from the menu</u>. After receiving the VFEI menu, you may enter values in the header slots to select products as desired. The next five sections describe the values required for the various Vessel File products. VFEI processes all your selections, provided you have appropriate password authority for the selected product(s).

(a) <u>Global value, Vessel File detail products</u>. When you wish to select any Vessel File product (except VFSC, VFID, or the search products), the header must contain a valid VIN, call sign, or RBS hull number. If it does not, VFEI presents the message "ENTER VIN, CALL, OR RBS NUM" after you issue a **SEL** command. If you enter an invalid identifier, VFEI presents the message "VIN NOT KNOWN', "VESSEL CALL NOT KNOWN", or "RBS HULL NUMBER NOT KNOWN", as appropriate.

(b) <u>Global value, Vessel File Special Class</u>. When you wish to access VFSC (Vessel File Special Class) from the VFEI menu, you must enter either a valid CIN (one already known to MSIS) or **NEWSC**. Any other entry results in the message "SPECIAL CLASS (CIN) UNKNOWN".

(c) <u>Global value, Vessel File Vessel Search</u>. To execute VFVS (Vessel File Vessel Search), you must enter a name in the vessel name slot. You do not have to blank

2.A.3. a. (2) (c)(Cont'd) out existing values in the VIN, call
                    sign, or RBS hull number slots, as VFEI
                    ignores these values when conducting a
                    search.

               (d) Global value, Vessel File Vessel Search
                    Alphabetic. VFVSA (Vessel File Vessel
                    Search Alphabetic) allows you to search for
                    a specific vessel by name or to search for
                    all vessels within an alphabetic range. In
                    entry mode, VFVSA requires a name in the
                    name slot. In retrieval mode, it has no
                    required values.

               (e) Global value, Vessel File Identification
                    Data. When the database contains
                    identifying information for a vessel, you
                    may select VFID (Vessel File Identification
                    Data) from the VFEI menu by entering a
                    valid VIN, call sign, or RBS hull number.
                    You cannot generally invoke VFID to add a
                    new vessel to the MSIS database without
                    first conducting a search to verify that
                    the database does not already contain the
                    vessel. (See the VFID transaction guide
                    entry for exceptions.)

          (3) Request availability. Enter a VIN, call sign,
               or RBS hull number in the header and select
               Request Availability (**SEL,38**) to display an "X"
               beside the products that contain information for
               that particular vessel. VFEI also provides this
               display automatically when you free-form VFEI
               using a VIN, or when you return to VFEI and a
               VIN exists in global.

          (4) Data Requirements. VFEI checks VINs, call
               signs, RBS hull numbers, and CINs to ensure that
               they exist in the MSIS database.

     b. Special Processing.

          (1) Clearing header data. If a VIN does not exist
               in global, VFEI blanks out any previous data in
               the name, VIN, call, flag, and RBS hull number
               slots. This occurs when you first enter MSIS
               and have not yet entered a VIN, or when you
               execute a search procedure and elect to return
               to the VFEI menu without a VIN.

          (2) Report function. You receive a batch printout
               of many of the products associated with a
               particular vessel if you provide a VIN, enter
               REPORT in the Command line, and press **SEND**. If

2.A.3. b. (2)(Cont'd) a VIN does not currently exist in global,
you must enter a VIN on VFEI. The Report
function is similar to using P (print) mode for
each product. Table 2-1 lists the possible
vessel products available through the Report
function, in the order in which they are
printed.

NOTE: Except for VFID, VFDS, and VFCG, the
Report function prints only those products for
which data on a specified vessel exist in the
database.

FIGURE 2-1. DATA DEFINITIONS FOR VFEI

```
COMMAND/ _____  RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI                        VESSEL FILE ENTRY INDEX              28MAY91

NAME/ ____LIT_____  VIN/ __VIN___ CALL/ __LIT___ FLAG/(1)
SPECIAL CLASS (CIN)........../  _CIN___  RBS HULL NUMBER./ ___LIT_____
```

--- SUBJECT ---	ENTRY	RTRV	--- SUBJECT ---	ENTRY	RTRV
VESSEL SEARCH..................		1	SYSTEM SUMMARY.......(VFSS) X	41	61
VESSEL SRCH ALPHABETIC.(VFVSA)	2	22	BOILERS............(VFBD) X	42	62
VESSEL IDENTIFICATION..(VFID) X	3	23	CARGO/BALLAST......(VFCS) X	43	63
DESCRIPTION SUMMARY....(VFDS) X	*	24	DECK MACHINERY.....(VFDM) X	44	64
INVOLVED PARTIES.......(VFIP) X	5	25	ELECTRICAL.........(VFED) X	45	65
LIST OF DOCUMENTS......(VFLD) X	6	26	FIRE FIGHTING-FIXED(VFFF) X	46	66
PARTICULAR SUMMARY.....(VFPS) X	7	27	FIRE FIGHTING-PORT.(VFPF) X	47	67
CARGO ENTITLEMENT....(VFCE) X	8	28	HULL...............(VFHD) X	48	68
CONDITIONAL ENTITL.(VFCCE)	*	*	LIFESAVING.........(VFLS) X	49	69
AUTHORITY..........(VFCA) X	10	30	MARPOL RECEPTION...(VFMR)	50	70
CARGO LIST.........(VFCL) X	11	31	MISC SYSTEMS.......(VFMS) X	51	71
CONDITIONS.........(VFCC) X	12	32	NAVIGATION.........(VFND) X	52	72
CONSTRUCTION DETAILS.(VFCD) X	13	33	PRESSURE VESSELS...(VFPV) X	53	73
DESIGN...............(VFDD) X	14	34	PROPULSION.........(VFPP) X	54	74
MEASUREMENT..........(VFMD) X	15	35	PUMPS..............(VFPD) X	55	75
OPERATING............(VFOD) X	16	36	STEERING...........(VFSD) X	56	76
STABILITY/LOADLINE...(VFSL) X	17	37	CLASS MEMBERSHIP.....(VFCM) X	57	77
REQUEST AVAILABILITY (X).....	*	38	SPECIAL CLASS........(VFSC)	58	78

TABLE 2-1. VESSEL PRODUCTS AVAILABLE WITH THE REPORT FUNCTION

--- All times ---

a. VFID (Vessel File Identification Data)
b. VFDS (Vessel File Description Summary)

--- Only if data exist in the database ---

c. VFIP (Vessel File Involved Parties)
d. VFLD (Vessel File List of Documents)
e. VFOC (Vessel File Attached Open Cases)
f. VDER (Vessel Documentation Element Record)
g. VDOR (Vessel Documentation Ownership Record)

--- All times ---

h. VFCG (Vessel File Coast Guard Contact Log)
i. BGNB (Background No Boards)

--- Only if data exist in the database ---

j. VFVD (Vessel File Vessel Documentation Log)
k. VFMI (Vessel File Marine Inspection Log)
l. VFVB (Vessel File Boarding Log)
m. VFMC (Vessel File Marine Casualty Log)
n. VFMP (Vessel File Marine Pollution Log)
o. VFVL (Vessel File Violation Log)
p. VFSP (Vessel File Safety Performance Log)
q. VFDL (Vessel File Damage/Defects Log)
r. VFPS (Vessel File Particulars Summary)
s. VFCM (Vessel File Class Membership)
t. VFSL (Vessel File Stability/Loadline Details)
u. VFOD (Vessel File Operating Details)
v. VFMD (Vessel File Measurement Details)
w. VFDD (Vessel File Design Details)
x. VFCD (Vessel File Construction Details)
y. VFCC (Vessel File Conditions of Carriage)
z. VFCL (Vessel File Cargo List)
aa. VFCA (Vessel File Cargo Authority)
ab. VFCE (Vessel File Cargo Entitlements)
ac. VFSS (Vessel File Systems Summary)
ad. VFSD (Vessel File Steering System Details)
ae. VFPD (Vessel File Pump Details)
af. VFPP (Vessel File Propulsion Details)
ag. VFPV (Vessel File Pressure Vessels)
ah. VFND (Vessel File Navigation Details)
ai. VFMS (Vessel File Miscellaneous Systems)
aj. VFMR (Vessel File MARPOL Reception)
ak. VFLS (Vessel File Lifesaving Details)
al. VFHD (Vessel File Hull Details)
am. VFPF (Vessel File Portable Fire-Fighting Details)
an. VFFF (Vessel File Fixed Fire Fighting Details)
ao. VFED (Vessel File Electrical Details)
ap. VFDM (Vessel File Deck Machinery Details)
aq. VFCS (Vessel File Cargo/Ballast Details)
ar. VFBD (Vessel File Boiler Details)

TABLE 2-2. VESSEL FILE ENTRY INDEX -- SELECTION CRITERIA

SEL KEY	PRODUCT NAME	VESSEL NAME	VIN/CALL[1]	CIN	RBS HULL NUMBER
1 & 21	VFVS[2]	R			
2 & 22	VFVSA	R[4]			
3	VFID (entry)[3]	R			
23	VFID (rtrv)		R		
3 & 23	VFID (hull num search)				R
24	VFDS		R		
5 & 25	VFIP		R		
6 & 26	VFLD		R		
7 & 27	VFPS		R		
8 & 28	VFCE		R		
10 & 30	VFCA		R		
11 & 31	VFCL		R		
12 & 32	VFCC		R		
13 & 33	VFCD		R		
14 & 34	VFDD		R		
15 & 35	VFMD		R		
16 & 36	VFOD		R		
17 & 37	VFSL		R		
38	REQ. AVAILABILITY				
41 & 61	VFSS		R		
42 & 62	VFBD		R		
43 & 63	VFCS		R		
44 & 64	VFDM		R		
45 & 65	VFED		R		
46 & 66	VFFF		R		
47 & 67	VFPF		R		
48 & 68	VFHD		R		
49 & 69	VFLS		R		
50 & 70	VFMR		R		
51 & 71	VFMS		R		
52 & 72	VFND		R		
53 & 73	VFPV		R		
54 & 74	VFPP		R		
55 & 75	VFPD		R		
56 & 76	VFSD		R		
57 & 77	VFCM		R		
58	VFSC (entry)			NEWSC[3]	
78	VFSC (rtrv)			R	

R = Required   O = Optional

(1) If the VIN is not known, enter the vessel's name and
    either **SEL,21** or **SEL,22**. MSIS displays a list of vessels
    with the same or similar name.
(2) This product requires you to enter a vessel's name,
    spelled as carefully as possible.
(3) For initial entry into VFSC, type "**NEWSC**" in the Special
    Class (CIN) slot. See Chapter 4 (VFSC) for further
    information.
(4) VFVSA requires a vessel name in entry mode.

**CHAPTER 3. VESSEL IDENTIFICATION AND INVOLVED PARTY
            RELATIONSHIPS**

A. <u>General</u>. The Vessel File product set contains seven products
    related to vessel identification and its involved parties.
    Vessel File Vessel Search (VFVS) and Vessel File Vessel
    Search Alphabetic (VFVSA) provide a means to enter a vessel
    name and search the MSIS database for the existence of that
    vessel and/or its VIN and CALL. The Vessel File
    Identification Data (VFID) product is used to identify a
    vessel to MSIS, and the Vessel File Involved Party (VFIP)
    product is used to identify involved parties linked to a
    vessel. The Vessel File Description Summary (VFDS) displays
    a summary of the physical and non-physical attributes of a
    vessel. The Vessel File List of New Vessels (VFLNV) product
    lists all new vessels identified to MSIS while Vessel File
    List of Changed Vessels (VFLCV) lists all vessels whose
    identification data has changed. Details of these products
    are discussed in this chapter.

B. Vessel File Vessel Search--**VFVS**.

   1. **VFVS** Purpose and Description.

      a. Provides a means to search for a particular vessel,
          either when entering a new vessel into MSIS or when
          searching for a VIN.

      b. You must use this product or VFVSA (Vessel File
          Vessel Search Alphabetic) when entering a new vessel
          into MSIS to avoid duplication of an existing vessel.

      c. May be used to search for a vessel's VIN, call, sign,
          flag, service, and home port when you know the vessel
          name.

      d. Figure 3-1 shows examples of the VFVS screens in
          both entry and retrieval mode.

      e. The uses of VFVS are illustrated in the example
          sequence, Searching For A New Vessel and Searching
          For An Existing Vessel.

   2. Accessing **VFVS**.

      a. Menu. VFVS can only be accessed through the Vessel
          File Entry Index (VFEI), which is accessed through
          the MSIS Directory. After you reach VFEI:

          (1) Enter **SEL, 1** in the Command line to access Vessel
               File Vessel Search in entry mode.

          (2) Enter **SEL,21** in the Command line to access
               Vessel File Vessel Search in retrieval mode.

      b. Free-Form. Vessel File Vessel Search cannot be
          accessed through free-form.

      c. Selection From Other Products. You cannot access
          Vessel File Vessel Search from other products.

      d. Product Use Authority Levels.
          Retrieval - 1 for VFEI
          Entry of a New Vessel - 1 for VFEI and 3 for VFID
          (Vessel File Identification Data)

   3. **VFVS** Data Entry Requirements and Explanation.

      a. General Processing.

          (1) Conducting a vessel search. After receiving the
               VFEI menu, you must:

3.B.3. a. (1) (a) Enter a value in the NAME slot.

(b) Enter **SEL,1** or **SEL,21** in the Command line.

NOTE: You do not have to blank out existing values in the VIN, call sign, or RBS hull number slots, as VFVS ignores these values when conducting a search.

(c) Entry mode (**SEL,1**) allows you to search for a vessel by name and then use VFID to enter the vessel into MSIS if it does not already exist in the database. When you issue a **SEL,1** command, VFVS searches the database for all vessel names the same as, or similar to, the name you enter.

NOTE: Generally, you cannot enter a new vessel into MSIS until you conduct a search to discover whether the vessel already exist in the database. This prevents duplication of a vessel (a single vessel identified two or more times) in the database.

(d) Entry screen. In entry mode, the search screen includes three data groups. The first data group includes slots to display a vessel name, VIN, call sign, and flag. The second data group provides a list of up to fifty (50) vessels per screen, with names similar to the name you entered on the menu screen, or displays a message indicating that no similar names exist in the MSIS database. Each vessel entry includes an item number, vessel name, VIN, call sign, flag, service, and home port. The last data group is an action paragraph that allows you to enter responses for specific options.

(e) Retrieval mode (**SEL,21**). When you believe a vessel exists in the MSIS database but you do not know its VIN, call sign, or RBS hull number, you may enter the vessel's name and issue a **SEL,21** command. VFVS then presents a list of vessels with the same or similar names, and you can select one of these vessels and return to the VFEI menu with the vessel's VIN in the header's VIN slot.

NOTE: The retrieval search is more restrictive than the search in entry mode.

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3.B.3. a. (1) (e)(Cont'd) In entry mode, the search gives a complete list of exact and close matches. In retrieval mode, it first looks for only exact matches. If no exact matches are found, VFVS automatically conducts a search to give a list of close matches.

(f) Retrieval screen. This screen image is similar to the entry mode screen except that the action data paragraph precedes the list of vessels.

(g) Action paragraph--both modes. In both entry and retrieval mode, the action paragraph allows you to:

[1] Return to the menu to enter a new name (VFEI blanks out the previously-entered name).

- Press **SEND.**

[2] Select a vessel from the list and return to the menu with its VIN in the header.

- Key the item number and press **SEND.**

[3] Abort Vessel File Vessel Search.

- Press **<SHIFT><ABORT>.**

(h) Entry mode--adding a vessel to MSIS. In entry mode only, the action paragraph allows you to:

[1] Add the vessel to the MSIS database if the desired vessel is not in the list.

[2] Enter "X" in the ENTER A NEW VESSEL slot and press **SEND.**

NOTE: To use this option, you must have validation level password authority for VFID.

(i) MORE logic. In both entry and retrieval modes, when the list of vessels exceeds 50, the message "KEY "MORE" FOR NEXT PAGE" appears in the Response line.

[1] In both entry and retrieval modes, you may:

3.B.3. a. (1) (i) [1] [a] Press **SEND** with a Blank in the
                            Command line. This returns you
                            to VFEI and blanks out the vessel
                            name you previously entered.

                       [b] Press **SEND** with **MORE** in the
                            Command line to display the next
                            page of data.

                       [c] Enter a free-form command
                            and press **SEND**. This halts
                            execution of VFVS and displays
                            the next product on queue.

                       [d] Enter **<SHIFT><ABORT>**. This
                            halts execution of VFVS and
                            displays the next product on
                            queue.

                       [e] Enter an item number and
                            return to VFEI with the VIN of
                            the selected vessel in the
                            header.

                  [2] In entry mode, you also may select
                       the option to enter the vessel into
                       the database after reviewing the
                       entire list.

          (2) Data Requirements.

               (a) In order to return to the menu screen with
                    a vessel's VIN, you must enter an item
                    number within the range shown on the screen
                    image.

               (b) In entry mode, an "X" is the only allowable
                    value in the slot to add a new vessel to
                    the MSIS database.

               (c) In entry mode, you may not enter a value in
                    both the item number slot and the slot for
                    adding a new vessel to the MSIS database.

     b. Special Processing.

          (1) SOUNDEX code processing. The SOUNDEX code
               processing of vessel names uses the entire
               vessel name and results in a 10-character
               SOUNDEX code. This code is then used in the
               vessel name search. The vessel name is
               processed according to eight rules. First, the

3.B.3. b. (1)(Cont'd) first character of the name is the
first character of the code. Second, all Roman
numerals I to X at the end of a name are
transformed to their Arabic equivalent, except X
which is transformed to zero (0). This Arabic
equivalent begins in the second character
position of the resultant SOUNDEX code. Third,
all Arabic numerals in the name are moved to
begin at the second position in the code.
Fourth, blanks and non-alphanumeric characters
are ignored. Fifth, alphabetic characters are
transformed by SOUNDEX principles as follows:

Alphabetic Character in Name	Code Character
AEHIOUWY	(ignored)
BFPV	B
CGJKQSXZ	C
DT	D
L	L
MN	M
R	R

The sixth rule ignores the second character of a
double letter in a name. Seventh, if 10 code
characters are generated before all name
characters are processed, the remaining
unprocessed characters in the name are ignored.
Finally, if all name characters are processed
before 10 coded characters are transformed, the
remaining characters in the generated SOUNDEX
code are zero (0).

FIGURE 3-1. EXAMPLE OF VFVS

Vessel File Vessel Search Screen, Entry Mode (SEL,1)
(When No Vessels Have a Name Similar to the Name Entered)

```
COMMAND/ _____ RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI                    VESSEL FILE ENTRY INDEX                  28MAY91

NAME/ HOLLYWOOD                     VIN/ CG023153  CALL/ WA465    FLAG/ US

* UNABLE TO LOCATE VESSEL NAME OR SIMILAR VESSEL NAME IN THE MSIS DATA BASE. *

            --- NEXT DESIRED ACTION ---              - KEY -
NO FURTHER INTEREST........................................... <SHIFT><ABORT>
RETURN TO MENU, TO ENTER A NEW SELECTION.................... SEND
VESSEL IS NOT IN LIST, TO ENTER NEW VESSEL CHECK (X) / X  AND  SEND
```

Vessel File Vessel Search Screen, Entry Mode (SEL,1)
(When Vessels Have a Name Similar to the Name Entered)

```
COMMAND/ _____ RESPONSE/ KEY "MORE" FOR NEXT PAGE
VFEI                    VESSEL FILE ENTRY INDEX                  29MAY91

NAME/ HOLLYWOOD CHEM JIM            VIN/ CG232004  CALL/ WZ186    FLAG/ US
                                                                 HOME
ITEM        NAME                VIN      CALL   FLAG   SERVICE    PORT
  1 HOLLYWOOD CHEM 102          D285645         US RECREATIONAL
  2 HOLLYWOOD CHEM JIM          CG000135 JRW45NEW US TANK BARGE  "OI" CORMS
  3 HOLLYWOOD CHEM DAVID F      D145145  DH145  US RECREATIONAL  BCDVD
  4 HOLLYWOOD CHEM DOC          CG000256 ASD1298 US TANK BARGE
  5 HOLLYWOOD JUNK              D9900011 XX     US FISHING BOAT  SEAVD

            --- NEXT DESIRED ACTION ---              - KEY -
NO FURTHER INTEREST........................................... <SHIFT><ABORT>
RETURN TO MENU, TO ENTER A NEW SELECTION.................... SEND
VESSEL IS NOT IN LIST, TO ENTER NEW VESSEL CHECK (X) / X  AND  SEND
VESSEL IS IN LIST, KEY ITEM NUMBER HERE............./ ___ AND  SEND
        TO RETURN TO MENU WITH VIN.
```

Vessel File Vessel Search Screen, Retrieval Mode (SEL,21)

```
COMMAND/ _____ RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI                    VESSEL FILE ENTRY INDEX                  29MAY91

NAME/ HOLLYWOOD CHEM JIM            VIN/ CG000476  CALL/ WZ186    FLAG/ US
            --- NEXT DESIRED ACTION ---              - KEY -
NO FURTHER INTEREST........................................... <SHIFT><ABORT>
VESSEL IS NOT IN LIST, TO MAKE NEW SELECTION................ SEND
VESSEL IS IN LIST, KEY ITEM NUMBER HERE............./ 1   AND  SEND
        TO RETURN TO MENU WITH VIN.
                                                                 HOME
ITEM        NAME                VIN      CALL   FLAG   SERVICE    PORT
  1 HOLLYWOOD CHEM JIM          CG000135 JRW45NEW US TANK BARGE  "OI" CORMS
  2 HOLLYWOOD CHEM JIM          CG000476        US PASSENGER
```

STEP 1


```
COMMAND/ SEL,1                            RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI                     VESSEL FILE ENTRY INDEX                28MAY91

NAME/ SUSHI                               VIN/ _____  CALL/ _____  FLAG/
SPECIAL CLASS (CIN).........../ _____  RBS HULL NUMBER./ _____

      --- SUBJECT ---        -- MODE --        --- SUBJECT ---       -- MODE --
                            ENTRY RTRV                              ENTRY RTRV
VESSEL SEARCH.................   1    21  SYSTEM SUMMARY.......(VFSS)   41   61
VESSEL SRCH ALPHABETIC.(VFVSA)   2    22    BOILERS............(VFBD)   42   62
VESSEL IDENTIFICATION..(VFID)    3    23    CARGO/BALLAST......(VFCS)   43   63
DESCRIPTION SUMMARY....(VFDS)    *    24    DECK MACHINERY.....(VFDM)   44   64
INVOLVED PARTIES.......(VFIP)    5    25    ELECTRICAL.........(VFED)   45   65
LIST OF DOCUMENTS......(VFLD)    6    26    FIRE FIGHTING-FIXED(VFFF)   46   66
PARTICULAR SUMMARY.....(VFPS)    7    27    FIRE FIGHTING-PORT.(VFPF)   47   67
  CARGO ENTITLEMENT....(VFCE)    8    28    HULL...............(VFHD)   48   68
    CONDITIONAL ENTITL.(VFCCE)   *     *    LIFESAVING.........(VFLS)   49   69
    AUTHORITY..........(VFCA)   10    30    MARPOL RECEPTION...(VFMR)   50   70
    CARGO LIST.........(VFCL)   11    31    MISC SYSTEMS.......(VFMS)   51   71
    CONDITIONS.........(VFCC)   12    32    NAVIGATION.........(VFND)   52   72
  CONSTRUCTION DETAILS.(VFCD)   13    33    PRESSURE VESSELS...(VFPV)   53   73
  DESIGN...............(VFDD)   14    34    PROPULSION.........(VFPP)   54   74
  MEASUREMENT..........(VFMD)   15    35    PUMPS..............(VFPD)   55   75
  OPERATING............(VFOD)   16    36    STEERING...........(VFSD)   56   76
  STABILITY/LOADLINE...(VFSL)   17    37  CLASS MEMBERSHIP.....(VFCM)   57   77
REQUEST AVAILABILITY (X).....    *    38  SPECIAL CLASS........(VFSC)   58   78
```

STEP 2

```
COMMAND/ _____ RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI                    VESSEL FILE ENTRY INDEX                  28MAY91

NAME/ SUSHI                        VIN/          CALL/          FLAG/
                                                                HOME
ITEM        NAME                  VIN      CALL   FLAG   SERVICE    PORT
   1 SEQUOIA                   L7391587 A8YO     LI TANK BARGE
   2 SEA HAWK                  CG000895 WAX7556  US TANK BARGE  "OI"
   3 SHAKEY                    CG000507 MST35    US RECREATIONAL

               --- NEXT DESIRED ACTION ---              - KEY -
NO FURTHER INTEREST.........................................  <SHIFT><ABORT>
RETURN TO MENU, TO ENTER A NEW SELECTION....................  SEND
VESSEL IS NOT IN LIST, TO ENTER NEW VESSEL CHECK (X) / X  AND  SEND
VESSEL IS IN LIST, KEY ITEM NUMBER HERE............/ __  AND  SEND
         TO RETURN TO MENU WITH VIN.
```

STEP 1

```
COMMAND/ SEL.21                        RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI                  VESSEL FILE ENTRY INDEX                28MAY91

NAME/ CHICA                              VIN/ _____ CALL/ _____ FLAG/
SPECIAL CLASS (CIN)........../ _____   RBS HULL NUMBER./ _____
```

--- SUBJECT ---	ENTRY	RTRV	--- SUBJECT ---	ENTRY	RTRV
VESSEL SEARCH..................	1	21	SYSTEM SUMMARY.......(VFSS)	41	61
VESSEL SRCH ALPHABETIC.(VFVSA)	2	22	BOILERS............(VFBD)	42	62
VESSEL IDENTIFICATION..(VFID)	3	23	CARGO/BALLAST......(VFCS)	43	63
DESCRIPTION SUMMARY....(VFDS)	*	24	DECK MACHINERY.....(VFDM)	44	64
INVOLVED PARTIES.......(VFIP)	5	25	ELECTRICAL.........(VFED)	45	65
LIST OF DOCUMENTS......(VFLD)	6	26	FIRE FIGHTING-FIXED(VFFF)	46	66
PARTICULAR SUMMARY.....(VFPS)	7	27	FIRE FIGHTING-PORT.(VFPF)	47	67
CARGO ENTITLEMENT....(VFCE)	8	28	HULL...............(VFHD)	48	68
CONDITIONAL ENTITL.(VFCCE)	*	*	LIFESAVING.........(VFLS)	49	69
AUTHORITY.........(VFCA)	10	30	MARPOL RECEPTION...(VFMR)	50	70
CARGO LIST........(VFCL)	11	31	MISC SYSTEMS.......(VFMS)	51	71
CONDITIONS........(VFCC)	12	32	NAVIGATION.........(VFND)	52	72
CONSTRUCTION DETAILS.(VFCD)	13	33	PRESSURE VESSELS...(VFPV)	53	73
DESIGN.............(VFDD)	14	34	PROPULSION.........(VFPP)	54	74
MEASUREMENT.........(VFMD)	15	35	PUMPS..............(VFPD)	55	75
OPERATING...........(VFOD)	16	36	STEERING...........(VFSD)	56	76
STABILITY/LOADLINE...(VFSL)	17	37	CLASS MEMBERSHIP.....(VFCM)	57	77
REQUEST AVAILABILITY (X).....	*	38	SPECIAL CLASS........(VFSC)	58	78

STEP 2

```
COMMAND/ _____  RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI                    VESSEL FILE ENTRY INDEX                    28MAY91

NAME/ CHICA                         VIN/          CALL/          FLAG/
              --- NEXT DESIRED ACTION ---              - KEY -
 NO FURTHER INTEREST...........................................  <SHIFT><ABORT>
 VESSEL IS NOT IN LIST, TO MAKE NEW SELECTION.................  SEND
 VESSEL IS IN LIST, KEY ITEM NUMBER HERE............/ 2__  AND  SEND
         TO RETURN TO MENU WITH VIN.
                                                                     HOME
 ITEM          NAME                 VIN     CALL   FLAG   SERVICE     PORT
    1 CHICOS                      L8011304 DRX9012 GR TANK BARGE  "OI"
    2 CHICA                       CG000476 WY901    US PASSENGER
```

C. Vessel File Vessel Search Alphabetic -- **VFVSA.**

1. **VFVSA** Purpose and Description.

    a. Allows you to search for a specific vessel by name,
        display the results, and (1) proceed to VFID (Vessel
        File Identification Date) to add the vessel to MSIS
        if it does not currently exist in the database, or
        (2) proceed to the VFEI or UTEI menu with a VIN in
        global.

    b. Allows you search for vessels within a specified
        alphabetic range and/or that contain a specific name
        or character pattern and to save, view, print, or
        kill the results of the search.

    c. Displays each vessel's name or previous name, VIN,
        flag, POC (Port of Call), POD (Port of Destination),
        and service information.

    d. Allows you to access VFPS (Vessel File Particulars
        Summary) and to print several Vessel File products
        for vessels found during a search.

    e. Figure 3-2 shows the data definitions for VFVSA. See
        Enclosure (1) for the abbreviation meanings.

    f. Use of this product is illustrated in the example
        sequences, Viewing a Search and Saving a Search.

2. Accessing **VFVSA.**

    a. Menu. VFVSA is normally accessed through VFEI in
        entry, update, or retrieval mode or through UTEI in
        update or retrieval mode.

    b. Free-Form. VFVSA can be accessed through free-form
        with:

        -VFVSA

        EXAMPLE

        -VFVSA

        NOTE: Mode has no meaning when requesting VFVSA
        through free-form. The product appears to function
        the same in any mode, and the global value of the
        mode is not altered.

    c. Selection From Other Products. VFVSA is not accessed
        from any other products.

3.C.2. d. Product Use Authority Levels.

Retrieval - 1

Enter new vessel into MSIS - VFID requires a 3

3. **VFVSA** Data Entry Requirements and Explanation.

    a. General Processing.

        (1) Entry Mode.

            (a) You must enter a vessel name on VFEI and
                 enter **SEL,1** in the Command line to use
                 VFVSA in entry mode. (It does not work
                 with a free-form command.) You see the
                 name you entered on VFEI and the first five
                 (5) characters of this name in the BEGIN
                 and END ALPHABETICAL RANGE slots. You may
                 change the alphabetical range or limit the
                 search by entering one or more characters
                 of the vessel's name in the SEARCH
                 NAME/PATTERN slot. (See b. Special
                 Processing for additional details on search
                 range criteria and limiting a search.)
                 Press **SEND** to execute the search.

            (b) VFVSA then presents the results of the
                 search, which may be no matches, one screen
                 of matches, or multiple screens of matches.
                 For each vessel that meets the search
                 criteria, VFVSA displays a selection
                 number, name and previous name, VIN, flag,
                 POC, POD, and service information.

                [1] If no matches exist, the message
                     "UNABLE TO LOCATE VESSEL NAME OR
                     SIMILAR NAME IN THE MSIS DATA BASE"
                     appears. You may:

                    [a] Enter **ADD** and press **SEND** to
                         access VFID to enter the vessel
                         into the database.

                    [b] Press **<SHIFT><ABORT>** to return
                         to VFEI without a VIN in global.

                [2] If VFVSA finds between one and fifty
                     (50) matches, you may:

                    [a] Enter a **SEL,** number and press
                         SEND to return to VFEI with the
                         selected VIN in global.

3-13

3.C.3. a. (1) (b) [2] [b] Enter **ADD** and press **SEND** to
access VFID to enter the vessel
into the database.

[c] Press **<SHIFT><ABORT>** to return to
VFEI with no VIN in global.

[3] If more than fifty (50) matches
exist, VFVSA displays the first
50 matches. You cannot add the
vessel to the database until you
review all matches. You may:

[a] Enter a **SEL**, number and press
SEND to return to VFEI with a VIN
in global.

[b] Enter **MORE** and press **SEND** to view
the next page of data.

[c] Enter **<SHIFT><ABORT>** to return to
VFEI with no VIN in global.

NOTE: To use the ADD option, you must
have validation level password
authority (3) for VFID.

(2) Update/Retrieval Mode.

(a) You may access VFVSA in update/retrieval
mode through VFEI or UTEI or by free-
forming. VFVSA's processing screen
displays the previously saved (existing)
searches and provides blank slots for you
to enter new searches. VFVSA allows each
port to save up to 15 (fifteen) search
requests at one time, so the combination of
existing searches and new searches cannot
exceed 15.

(b) Existing Searches. For each existing
search, VFVSA displays an item number,
request slot, the initials of the person
who conducted the search, the alphabetical
range and pattern searched, the number of
vessels found, and the date of the search.
You may view, print, or kill a search by
entering a code in the appropriate REQ
(request) slot as follows:

[1] Enter **"V"** to display the results of
the search on the terminal screen.
Section (f) describes your options for
viewing a search.

3.C.3. a. (2) (b) [2] Enter **"P"** to print the search results
                         on your selected printer in host print
                         mode.

                    [3] Enter **"K"** to kill (delete) the search.
                         If all 15 search slots contain data,
                         you must kill some existing searches
                         before requesting a new search.

                    NOTE: VFVSA displays an "*" (asterisk) in
                    the REQ slot if an existing search has been
                    previously viewed or printed. You can
                    overwrite the "*" at any time.

               (c) New Searches. You may use the blank slots
                    to enter new searches. For each search,
                    enter your initials, a beginning and ending
                    alphabetical range, and if desired, a
                    specific name or search pattern. (See b.
                    Special Processing for additional details
                    on search range criteria and limiting a
                    search.) You must also indicate whether
                    you wish to save, view, or print the
                    search, as follows:

                    [1] Enter **"V"** to display the results of
                         the search on the terminal screen.
                         Section (f) describes your options for
                         viewing a search.

                    [2] Enter **"P"** to print the search results
                         on your selected printer in host print
                         mode.

                    [3] Enter **"S"** to save the results of the
                         search for subsequent viewing or
                         printing. (The "V" and "P" options do
                         not save the search results.)

               (d) You may combine "K," "P," "S," and "V"
                    codes. VFVSA processes all "K" requests
                    prior to processing either "V" or "P"
                    request codes. If you mix "V" codes and
                    "P" codes, VFVSA processes these requests
                    sequentially. To print a "P" request after
                    processing a "V" request, type **NEXT** in the
                    Command line and press **SEND**. VFVSA
                    processes "S" and "V" codes sequentially;
                    all "S" requests execute in background
                    mode, freeing the terminal for other work.

               (e) Processing Requests. Press **SEND** to process
                    your search requests. When VFVSA processes
                    an "S" request, it displays a dollar sign

3.C.3. a. (2) (e)(Cont'd) ($) in the REQ slot and a zero
(0) in the Count slot. Either "Waiting" or
"Executing" appears below the REQ slot.

(f) Viewing Searches. VFVSA displays the
results of new or saved searches when you
enter **"V"** in one or more REQ slots. For
each vessel that meets the search criteria,
a selection number, name or previous name,
VIN, flag, POC, POD, and service
information appears. For a saved search,
VFVSA also displays the date the search was
conducted and the count of vessels that met
the search criteria.

[1] To view a vessel's VFPS, include the
vessel's selection number in a SEL
command.

[2] To print the VFID, and other Vessel
File products related to a vessel,
include the vessel's selection number
in a SELA command. The following
products may be printed if data exist
in the database:

VFID (Vessel File Identification Data)

VFIP (Vessel File Involved Parties)

VFOC (Vessel File Open Case)

VFCG (Vessel File Coast Guard Contact)

VFPS (Vessel File Particulars Summary)

VFSS (Vessel File Systems Summary).

NOTE: VFVSA processes your selections in
reverse order. If you enter two groups of
selections, VFVSA processes the second
group first.

(g) Multiple Page Searches. VFVSA displays up
to fifty (50) entries per screen image with
the message "KEY "SEL, 1,2,...." FOR
DETAILS." You may:

[1] Press **SEND** with a Blank in the Command
line. The message "KEY "MORE" FOR
NEXT PAGE" appears if more entries
exist. You may:

3.C.3. a. (2) (g) [1] [a] Enter a Blank to start the
                           execution of your previous
                           selections (if any) or to display
                           the next product on the queue.

                      [b] Enter **SEL** or **SELA** commands to add
                           items to the queue. The message
                           "SEND FOR SELECTS OR KEY "MORE"
                           appears. You can enter a Blank
                           to start execution of your
                           selections or enter **MORE** to view
                           more selections.

                      [c] Enter **MORE** to view the next page
                           of data.

                      [d] Enter a free-form command and
                           press **SEND** to halt the execution
                           of VFVSA and access a new
                           product.

                      [e] Enter a **<SHIFT><ABORT>** to halt
                           the execution of VFVSA.

                  [2] Enter **SEL** or **SELA** commands
                       to add items to the queue. Then the
                       message "SEND FOR SELECTS OR KEY
                       "MORE" appears. You may:

                      [a] Enter a Blank to start the
                           execution of your previous
                           selections (if any) or to display
                           the next product on the queue.

                      [b] Enter another **SEL**
                           or **SELA** to put more selections on
                           the queue.

                      [c] Enter **MORE** to view the next page
                           of data.

                      [d] Enter a free-form command and
                           press **SEND** to halt the execution
                           of VFVSA and access a new
                           product.

                      [e] Enter a **<SHIFT><ABORT>** to halt
                           the execution of VFVSA and to
                           display the next product on the
                           queue.

                  [3] Enter **MORE** to display the next page of
                       data.

3.C.3. a. (2) (g) [4] Enter a free-form command and press **SEND** to halt the execution of VFVSA and access a new product.

[5] Enter a **<SHIFT><ABORT>** to halt the execution of VFVSA.

(h) <u>Viewing Multiple Searches</u>. If you select several view searches, VFVSA presents the search results, one screen at a time, allowing you to use the NEXT command to move from search to search. If some searches also have multiple screens, you may use a combination of MORE (See Section g above) and NEXT commands to move through the searches. In this situation, VFVSA displays up to fifty (50) entries on the first screen of the first search with the message, "KEY "SEL, 1,2,..." FOR DETAILS." Press **SEND** and VFVSA displays the message, "MORE/NEXT PAGE, NEXT/NEXT SRCH." You may:

[1] Press **MORE** to view the next page of data for this search.

[2] Type **NEXT** in the Command line and press **SEND** to see the first screen of data for the next search.

[3] Enter **SEL** or **SELA** commands to add items to the queue.

[4] Press **SEND** with a Blank in the Command line to start execution of your previous selections (if any) or to halt execution of VFVSA.

[5] Enter a free-form command and press **SEND** to halt execution of VFVSA and access a new product.

[6] Enter a **<SHIFT><ABORT>** to halt execution of VFVSA.

(i) <u>Kill a Search While Viewing</u>. To kill a search while viewing it, type **KILL** in the Command line and press **SEND**. VFVSA gives you the message, "DELETING SEARCH", in the Response line while killing the search.

3.C.3. b. Special Processing.

    (1) Search Range Criteria.

        (a) You must specify a beginning search range.
            This represents the first five characters
            of the vessel name. It may be helpful to
            think of each name written on an index card
            in a stack of cards. If you leave the
            ending range blank, VFVSA maps the same
            range into the END slot. The ending string
            must be later in the alphabet than the
            beginning string. Example: You can
            specify a search string as beginning with A
            and ending with C, but not as beginning
            with C and ending with A.

        (b) You can enter one to five characters in
            both the BEGIN and END slots. VFVSA
            searches for all vessels whose name begins
            with the range you specify. For example,
            if you enter "AM" in the beginning search
            string and leave the ending string blank,
            VFVSA will find names beginning with "AME,"
            such as "American Eagle". It will not find
            "ACBL 234" because it is outside the search
            range "AM" through "AMZZZZZ."

            [1] Searching on Partial Name.

                [a] Search/Name Pattern. You can
                    limit the list to look through by
                    entering one or more characters
                    of a vessel's name. You enter
                    this in the SEARCH NAME/PATTERN
                    data slot. VFVSA compares these
                    characters to the list of vessels
                    found within your Begin and End
                    range. VFVSA will display only
                    those names that contain the
                    designated character sequence in
                    the final search list.

                [b] Wild Cards. If you are only
                    sure of part of a vessel name or
                    want to see a group list, you can
                    enter one of more wild card
                    symbols (@) in the SEARCH
                    NAME/PATTERN slot in place of
                    characters in a name. For
                    example, if the BEGIN and END
                    string is "HO" to "HOL" and you
                    enter "@WOOD@" as the name
                    pattern, the vessels that match

3.C.3 b.   [1] [b](Cont'd)   will include "Hollywood Chem
                                Dave," "Hollywood Chem Doc," and
                                "Hollywood Chem Jim." If the
                                vessel name already contains the
                                @ sign, you must enter two @
                                signs in one string. For
                                example to find the vessel named
                                "UP & @M Inc." you could enter
                                "UP@@@" to search for the vessel.
                                You need one wild card @ for the
                                characters between UP and the @
                                sign in the name, then the @ sign
                                contained in the name, and then
                                another wild card to pick up the
                                characters following.

           (2) Search Result Limits. If you enter a new search
                in update or retrieval mode, and choose to print
                or save the search, you will receive only the
                first 200 vessels. Sorry limited disk space.
                VFVSA displays the value "200+" in the COUNT
                slot when this occurs. If you need to see them
                all, initiate the search with a "V" in the REQ
                slot. Beware this takes time (50 lines/screen).

ENTRY MODE SCREEN

```
COMMAND/ _____  RESPONSE/ PLS ENTER YOUR RESPONSE
VFVSA               VESSEL FILE VESSEL SEARCH ALPHABETIC          31MAY91
Requested name from VFEI/ BAYCROSS

               ALPHABETIC RANGE           SEARCH
                 BEGIN   END          NAME / PATTERN
                 LIT*_ _LIT_        _____LIT_____
```

You may expand the Search Range by changing the BEGIN or END values.
The SEARCH NAME/PATTERN may be a complete name for an exact match or
may be only a part of a name with a "@" entered where there are missing
letters or numbers. The "@" symbol may be used to replace 1 or more
characters. The "@" symbol has no meaning in the ALPHABETIC RANGE slots.

RETRIEVAL/UPDATE MODE PROCESSING SCREEN

```
COMMAND/ _____  RESPONSE/ PLS ENTER YOUR RESPONSE
VFVSA               VESSEL FILE VESSEL SEARCH ALPHABETIC          31MAY91

Existing Search Results: "K" to kill, "V" to view, or "P" to print.
New Search Requests:     "S" to save, "V" to view, or "P" to print.

              ALPHABETIC RANGE              SEARCH                      DATE OF
ITEM REQ  INIT  BEGIN   END             NAME / PATTERN         COUNT SEARCH
  1  (1)  LIT*  LIT*   LIT         _____LIT_____  **     **
  2   _   ___   _____  _____       _____ ____  _____
  3   _   ___   _____  _____       _____ ____  _____
  4   _   ___   _____  _____       _____ ____  _____
  5   _   ___   _____  _____       _____ ____  _____
  6   _   ___   _____  _____       _____ ____  _____
  7   _   ___   _____  _____       _____ ____  _____
  8   _   ___   _____  _____       _____ ____  _____
  9   _   ___   _____  _____       _____ ____  _____
 10   _   ___   _____  _____       _____ ____  _____
 11   _   ___   _____  _____       _____ ____  _____
 12   _   ___   _____  _____       _____ ____  _____
 13   _   ___   _____  _____       _____ ____  _____
 14   _   ___   _____  _____       _____ ____  _____
 15   _   ___   _____  _____       _____ ____  _____
```

You may expand the Search Range by changing the BEGIN or END values.
The SEARCH NAME/PATTERN may be a complete name for an exact match or
may be only a part of a name with a "@" entered where there are missing
letters or numbers. The "@" symbol may be used to replace 1 or more
characters. The "@" symbol has no meaning in the ALPHABETIC RANGE slots.
The INIT slot is only required to SAVE a search, it is optional for all
other requests.

*   Slots are required for initial entry.
**   These slots do not appear if there are no saved searches.

          FIGURE 3-2.   DATA DEFINITIONS FOR VFVSA

                              3-21

ENTRY MODE RESULTS SCREEN WITH "MORE" MESSAGE

```
COMMAND/ _____ RESPONSE/ KEY "SEL,1,2,..." FOR DETAILS
VFVSA              VESSEL FILE VESSEL SEARCH ALPHABETIC              05JUN91

RANGE/ A     to M      PATTERN/ @A@H@                    DATE/ 31MAY91
       Requested name from VFEI/ MAY FLY

SEL          NAME / EXNAME              VIN    FLAG  POC   POD     SERVICE
  1 ABU HOSNA                        L6410312 UK               TOWBOAT/TUGBOAT
  2 ACHILLES                         D999994  US  NYCMI NYCVD PASSENGER
  3 ADDIRIYAH                        L7802249 EG               TANK SHIP
  4 AGHIA MARINA              ex
    ALASTAIR GUTHRIE                 D222555  US  SEAMS JUNVD PASSENGER
  5 ALLIED CHEMICAL                  D522184  US  NEWMS NEWVD TANK SHIP

          --------- Next Desired Action ---------     --- Key ----
          Return to Menu with VIN                     SEL,# <SEND>
          View next page                              MORE
          Return to Menu with no Vessel selected      ABORT <SEND>
```


ENTRY MODE RESULTS SCREEN WITH "ADD" MESSAGE

```
COMMAND/ _____ RESPONSE/ KEY "SEL,1,2,..." FOR DETAILS
VFVSA              VESSEL FILE VESSEL SEARCH ALPHABETIC              05JUN91

RANGE/ A     to M      PATTERN/ @A@H@                    DATE/ 31MAY91
       Requested name from VFEI/ MAY FLY

SEL          NAME / EXNAME              VIN    FLAG  POC   POD     SERVICE
  1 ABU HOSNA                        L6410312 UK               TOWBOAT/TUGBOAT
  2 ACHILLES                         D999994  US  NYCMI NYCVD PASSENGER
  3 ADDIRIYAH                        L7802249 EG               TANK SHIP
  4 AGHIA MARINA              ex
    ALASTAIR GUTHRIE                 D222555  US  SEAMS JUNVD PASSENGER
  5 ALLIED CHEMICAL                  D522184  US  NEWMS NEWVD TANK SHIP

          --------- Next Desired Action ---------     --- Key ----
          Return to Menu with VIN                     SEL,# <SEND>
          Enter a Vessel into MSIS                    ADD   <SEND>
          Return to Menu with no Vessel selected      ABORT <SEND>
```


FIGURE 3-2.   DATA DEFINITIONS FOR VFVSA (Continued)

RETRIEVAL/UPDATE MODE RESULTS SCREEN OF SAVED SEARCH

```
COMMAND/ _____ RESPONSE/ KEY "SEL,1,2,..." FOR DETAILS
VFVSA              VESSEL FILE VESSEL SEARCH ALPHABETIC              05JUN91

RANGE/ A    to M      PATTERN/ @A@H@                      DATE/ 31MAY91
                                                          COUNT/ 200+

SEL         NAME / EXNAME              VIN    FLAG  POC   POD     SERVICE
  1 ABU HOSNA                         L6410312 UK               TOWBOAT/TUGBOAT
  2 ACHILLES                          D999994  US  NYCMI NYCVD  PASSENGER
  3 ADDIRIYAH                         L7802249 EG               TANK SHIP
  4 AGHIA MARINA              ex
    ALASTAIR GUTHRIE                  D222555  US  SEAMS JUNVD  PASSENGER
  5 ALLIED CHEMICAL                   D522184  US  NEWMS NEWVD  TANK SHIP
```

RETRIEVAL/UPDATE MODE RESULTS SCREEN OF UNSAVED SEARCH

```
COMMAND/ _____ RESPONSE/ KEY "SEL,1,2,..." FOR DETAILS
VFVSA              VESSEL FILE VESSEL SEARCH ALPHABETIC              05JUN91

RANGE/ A    to M      PATTERN/ @A@H@                      DATE/ 31MAY91

SEL         NAME / EXNAME              VIN    FLAG  POC   POD     SERVICE
  1 ABU HOSNA                         L6410312 UK               TOWBOAT/TUGBOAT
  2 ACHILLES                          D999994  US  NYCMI NYCVD  PASSENGER
  3 ADDIRIYAH                         L7802249 EG               TANK SHIP
  4 AGHIA MARINA              ex
    ALASTAIR GUTHRIE                  D222555  US  SEAMS JUNVD  PASSENGER
  5 ALLIED CHEMICAL                   D522184  US  NEWMS NEWVD  TANK SHIP
```

FIGURE 3-2.   EXAMPLES OF VFVSA (Continued)

STEP 1

o♦ Type **SEL,22** in the Command line.

o♦ **SEND**

```
COMMAND/ SEL,22                              RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI                     VESSEL FILE ENTRY INDEX                     31MAY91

NAME/ _____      VIN/ _____ CALL/ _____ FLAG/ _____
SPECIAL CLASS (CIN)........../ _____   RBS HULL NUMBER./ _____

        --- SUBJECT ---        -- MODE --         --- SUBJECT ---        -- MODE --
                              ENTRY RTRV                                ENTRY RTRV
VESSEL SEARCH.................    1    21   SYSTEM SUMMARY.......(VFSS)    41   61
VESSEL SRCH ALPHABETIC..(VFVSA)   2    22   BOILERS............(VFBD)     42   62
VESSEL IDENTIFICATION..(VFID)     3    23   CARGO/BALLAST......(VFCS)     43   63
DESCRIPTION SUMMARY....(VFDS)     *    24   DECK MACHINERY.....(VFDM)     44   64
INVOLVED PARTIES.......(VFIP)     5    25   ELECTRICAL.........(VFED)     45   65
LIST OF DOCUMENTS......(VFLD)     6    26   FIRE FIGHTING-FIXED(VFFF)     46   66
PARTICULAR SUMMARY.....(VFPS)     7    27   FIRE FIGHTING-PORT.(VFPF)     47   67
  CARGO ENTITLEMENT....(VFCE)     8    28   HULL...............(VFHD)     48   68
    CONDITIONAL ENTITL.(VFCCE)    *    *    LIFESAVING.........(VFLS)     49   69
    AUTHORITY..........(VFCA)    10    30   MARPOL RECEPTION...(VFMR)     50   70
    CARGO LIST.........(VFCL)    11    31   MISC SYSTEMS.......(VFMS)     51   71
    CONDITIONS.........(VFCC)    12    32   NAVIGATION.........(VFND)     52   72
  CONSTRUCTION DETAILS.(VFCD)    13    33   PRESSURE VESSELS...(VFPV)     53   73
  DESIGN...............(VFDD)    14    34   PROPULSION.........(VFPP)     54   74
  MEASUREMENT..........(VFMD)    15    35   PUMPS..............(VFPD)     55   75
  OPERATING............(VFOD)    16    36   STEERING...........(VFSD)     56   76
  STABILITY/LOADLINE...(VFSL)    17    37   CLASS MEMBERSHIP.....(VFCM)   57   77
REQUEST AVAILABILITY (X).....     *    38   SPECIAL CLASS........(VFSC)   58   78
```

STEP 2

o♦ VFVSA responds with its processing screen.

o♦ Type **V** for view search, then enter your initials, the beginning and ending values for the alphabetic range, and the search pattern.

o♦ **SEND**

```
COMMAND/ _____ RESPONSE/ PLS ENTER YOUR RESPONSE ·
VFVSA               VESSEL FILE VESSEL SEARCH ALPHABETIC           31MAY91

Existing Search Results: "K" to kill, "V" to view, or "P" to print.
New Search Requests:     "S" to save, "V" to view, or "P" to print.

              ALPHABETIC RANGE              SEARCH              DATE OF
ITEM REQ  INIT   BEGIN  END          NAME / PATTERN      COUNT  SEARCH
  1    *   NBE   HA     HZ      HOLL@                       1   23APR91
  2    *   PAH   A      Z       @BUMP@                     17   01MAY91
  3    *   PAH   TOM    WE      @A@H@                      50   02MAY91
  4    *   HLA   LA     LZ      @LOW@                     200+  02MAY91
  5    *   RAO   A      M       @LAKE@                     20   03MAY91
  6    V   NBE   A      M       @A@H@
  7
  8
  9
 10
 11
 12
 13
 14
 15
```

You may expand the Search Range by changing the BEGIN or END values. The SEARCH NAME/PATTERN may be a complete name for an exact match or may be only a part of a name with a "@" entered where there are missing letters or numbers. The "@" symbol may be used to replace 1 or more characters. The "@" symbol has no meaning in the ALPHABETIC RANGE slots. The INIT slot is only required to SAVE a search, it is optional for all other requests.

STEP 3

o♦ **VFVSA responds with all vessels that match your search criteria.**

```
COMMAND/ _____ RESPONSE/ KEY "SEL,1,2,..." FOR DETAILS
VFVSA                 VESSEL FILE VESSEL SEARCH ALPHABETIC              31MAY91

RANGE/ A     to M     PATTERN/ @A@H@                         DATE/ 31MAY91

SEL          NAME / EXNAME            VIN     FLAG  POC   POD     SERVICE
  1 ABU HOSNA                        L6410312 UK                TOWBOAT/TUGBOAT
  2 ACHILLES                         D999994  US   NYCMI NYCVD PASSENGER
  3 ADDIRIYAH                        L7802249 EG                TANK SHIP
  4 AGHIA MARINA            ex
    ALASTAIR GUTHRIE                 D222555  US   SEAMS JUNVD PASSENGER
  5 ALLIED CHEMICAL                  D522184  US   NEWMS NEWVD TANK SHIP
```

STEP 1

o   Type **SEL,22** in the Command line.

o   **SEND**

```
COMMAND/ SEL,22                         RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI                   VESSEL FILE ENTRY INDEX                   31MAY91

NAME/ _____  VIN/ _____ CALL/ _____ FLAG/
SPECIAL CLASS (CIN)........../ _____  RBS HULL NUMBER./ _____

       --- SUBJECT ---        -- MODE --        --- SUBJECT ---        -- MODE --
                              ENTRY RTRV                               ENTRY RTRV
VESSEL SEARCH.................   1    21   SYSTEM SUMMARY.......(VFSS)    41   61
VESSEL SRCH ALPHABETIC.(VFVSA)   2    22      BOILERS...........(VFBD)    42   62
VESSEL IDENTIFICATION..(VFID)    3    23      CARGO/BALLAST.....(VFCS)    43   63
DESCRIPTION SUMMARY....(VFDS)    *    24      DECK MACHINERY....(VFDM)    44   64
INVOLVED PARTIES.......(VFIP)    5    25      ELECTRICAL........(VFED)    45   65
LIST OF DOCUMENTS......(VFLD)    6    26      FIRE FIGHTING-FIXED(VFFF)   46   66
PARTICULAR SUMMARY.....(VFPS)    7    27      FIRE FIGHTING-PORT.(VFPF)   47   67
   CARGO ENTITLEMENT....(VFCE)   8    28      HULL..............(VFHD)    48   68
      CONDITIONAL ENTITL.(VFCCE) *    *       LIFESAVING........(VFLS)    49   69
      AUTHORITY.........(VFCA)  10    30      MARPOL RECEPTION...(VFMR)    50   70
      CARGO LIST........(VFCL)  11    31      MISC SYSTEMS.......(VFMS)    51   71
      CONDITIONS........(VFCC)  12    32      NAVIGATION........(VFND)    52   72
   CONSTRUCTION DETAILS.(VFCD)  13    33      PRESSURE VESSELS...(VFPV)    53   73
   DESIGN...............(VFDD)  14    34      PROPULSION........(VFPP)    54   74
   MEASUREMENT..........(VFMD)  15    35      PUMPS.............(VFPD)    55   75
   OPERATING............(VFOD)  16    36      STEERING..........(VFSD)    56   76
   STABILITY/LOADLINE...(VFSL)  17    37   CLASS MEMBERSHIP.....(VFCM)    57   77
REQUEST AVAILABILITY (X).....    *    38   SPECIAL CLASS........(VFSC)    58   78
```

STEP 2

o VFVSA responds with its processing screen.

o Type **S** for save search, then enter your initials, the
   beginning and ending values for the alphabetic range, and the
   search pattern.

o **SEND**


```
COMMAND/ _____ RESPONSE/ PLS ENTER YOUR RESPONSE
VFVSA                    VESSEL FILE VESSEL SEARCH ALPHABETIC              31MAY91

Existing Search Results:  "K" to kill, "V" to view, or "P" to print.
New Search Requests:      "S" to save, "V" to view, or "P" to print.

                    ALPHABETIC RANGE                SEARCH                  DATE OF
ITEM REQ   INIT    BEGIN  END             NAME / PATTERN        COUNT   SEARCH
  1   *    NBE     HA     HZ      HOLL@                             1   23APR91
  2   *    PAH     A      Z       @BUMP@                           17   01MAY91
  3   *    PAH     TOM    WE      @A@H@                            50   02MAY91
  4   *    HLA     LA     LZ      @LOW@                          200+   02MAY91
  5   *    RAO     A      M       @LAKE@                           20   03MAY91
  6   S    NBE     A___   M____   @A@H@_____
  7
  8
  9
 10
 11
 12
 13
 14
 15
```

You may expand the Search Range by changing the BEGIN or END values.
The SEARCH NAME/PATTERN may be a complete name for an exact match or
may be only a part of a name with a "@" entered where there are missing
letters or numbers. The "@" symbol may be used to replace 1 or more
characters. The "@" symbol has no meaning in the ALPHABETIC RANGE slots.
The INIT slot is only required to SAVE a search, it is optional for all
other requests.

STEP 3

o   VFVSA responds with a completion message, then conducts your
    search while you do other work.

COMMAND/ _____RESPONSE/ VFEI   NEXT ON QUEUE
  VFVSA   VESSEL FILE VESSEL SEARCH ALPHABETIC   31MAY91
  PROD COMPLETED SUCCESSFULLY

STEP 4

o Access VFVSA again by typing **SEL,22** in the Command line.

o **SEND**

```
COMMAND/ SEL,22                        RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI                    VESSEL FILE ENTRY INDEX              31MAY91

NAME/ _____    VIN/ _____ CALL/ _____ FLAG/
SPECIAL CLASS (CIN)........../ _____  RBS HULL NUMBER./ _____
```

--- SUBJECT ---	-- MODE --		--- SUBJECT ---	-- MODE --	
	ENTRY	RTRV		ENTRY	RTRV
VESSEL SEARCH...................	1	21	SYSTEM SUMMARY.......(VFSS)	41	61
VESSEL SRCH ALPHABETIC.(VFVSA)	2	22	BOILERS............(VFBD)	42	62
VESSEL IDENTIFICATION..(VFID)	3	23	CARGO/BALLAST......(VFCS)	43	63
DESCRIPTION SUMMARY....(VFDS)	*	24	DECK MACHINERY.....(VFDM)	44	64
INVOLVED PARTIES.......(VFIP)	5	25	ELECTRICAL.........(VFED)	45	65
LIST OF DOCUMENTS......(VFLD)	6	26	FIRE FIGHTING-FIXED(VFFF)	46	66
PARTICULAR SUMMARY.....(VFPS)	7	27	FIRE FIGHTING-PORT.(VFPF)	47	67
CARGO ENTITLEMENT....(VFCE)	8	28	HULL...............(VFHD)	48	68
CONDITIONAL ENTITL.(VFCCE)	*	*	LIFESAVING.........(VFLS)	49	69
AUTHORITY..........(VFCA)	10	30	MARPOL RECEPTION...(VFMR)	50	70
CARGO LIST.........(VFCL)	11	31	MISC SYSTEMS.......(VFMS)	51	71
CONDITIONS.........(VFCC)	12	32	NAVIGATION.........(VFND)	52	72
CONSTRUCTION DETAILS.(VFCD)	13	33	PRESSURE VESSELS...(VFPV)	53	73
DESIGN...............(VFDD)	14	34	PROPULSION.........(VFPP)	54	74
MEASUREMENT..........(VFMD)	15	35	PUMPS..............(VFPD)	55	75
OPERATING............(VFOD)	16	36	STEERING...........(VFSD)	56	76
STABILITY/LOADLINE...(VFSL)	17	37	CLASS MEMBERSHIP.....(VFCM)	57	77
REQUEST AVAILABILITY (X).....	*	38	SPECIAL CLASS........(VFSC)	58	78

STEP 5

o   Type a **V** in the REQ slot to view your completed search.

o   **SEND**

```
COMMAND/ _____ RESPONSE/ PLS ENTER YOUR RESPONSE
VFVSA                 VESSEL FILE VESSEL SEARCH ALPHABETIC              31MAY91

Existing Search Results: "K" to kill, "V" to view, or "P" to print.
New Search Requests:     "S" to save, "V" to view, or "P" to print.

                     ALPHABETIC RANGE              SEARCH              DATE OF
ITEM REQ  INIT   BEGIN   END         NAME / PATTERN        COUNT  SEARCH
   1   *   NBE    HA     HZ     HOLL@                          1  23APR91
   2   *   PAH    A      Z      @BUMP@                        17  01MAY91
   3   *   PAH    TOM    WE     @A@H@                         50  02MAY91
   4.  *   HLA    LA     LZ     @LOW@                       200+  02MAY91
   5   *   RAO    A      M      @LAKE@                        20  03MAY91
   6   V   NBE    A      M      @A@H@
   7
   8
   9
  10
  11
  12
  13
  14
  15
```

You may expand the Search Range by changing the BEGIN or END values.
The SEARCH NAME/PATTERN may be a complete name for an exact match or
may be only a part of a name with a "@" entered where there are missing
letters or numbers. The "@" symbol may be used to replace 1 or more
characters. The "@" symbol has no meaning in the ALPHABETIC RANGE slots.
The INIT slot is only required to SAVE a search, it is optional for all
other requests.

STEP 6

o VFVSA displays the results of your search.

```
COMMAND/ _____ RESPONSE/ KEY "SEL,1,2,..." FOR DETAILS
VFVSA                VESSEL FILE VESSEL SEARCH ALPHABETIC              31MAY91

RANGE/ A      to M      PATTERN/ @A@H@                          DATE/ 31MAY91
                                                               COUNT/  200+

SEL          NAME / EXNAME              VIN    FLAG  POC   POD    SERVICE
  1 ABU HOSNA                          L6410312 UK               TOWBOAT/TUGBOAT
  2 ACHILLES                           D999994  US   NYCMI NYCVD PASSENGER
  3 ADDIRIYAH                          L7802249 EG               TANK SHIP
  4 AGHIA MARINA                 ex
    ALASTAIR GUTHRIE               D222555  US   SEAMS JUNVD PASSENGER
  5 ALLIED CHEMICAL                    D522184  US   NEWMS NEWVD TANK SHIP
```

D. Vessel File Identification Data -- **VFID**.

1. **VFID** Purpose and Description.

   a. Identifies specific vessels to MSIS.

   b. Allows you to enter, update, and display current
       identifying information about a particular vessel.

   c. Prevents any duplication of the VIN, Lloyd's number,
       ABS number, RBS hull number, call sign, and mismatch
       of flag and call signs.

   d. Displays the Coast Guard documents held by the vessel
       and the units responsible for the vessel's
       documentation and certification.

   e. Permits you to make a vessel's primary VIN an
       alternate VIN and to assign an alternate VIN as the
       primary one.

   f. Allows you to create and display an historical log of
       changes to a specific vessel's identification data.

   g. Provides header data for other Vessel File products.

   h. Maps vessel identification data to VFCD (Vessel File
       Construction Details), VFEI (Vessel File Entry
       Index), VDER (Vessel Documentation Element Record),
       VFLNV (Vessel File List of New Vessels), and VFLCV
       (Vesssel File List of Changed Vessels).

   i. Figure 3-3 shows the data definitions for VFID. See
       Table 3-1 for the code values and Enclosure (1) for
       the abbreviation meanings.

   j. The uses of VFID are illustrated in the example
       sequences, Entering A New Vessel Into MSIS and
       Changing A Vessel's Name.

2. Accessing **VFID**.

   a. Menu. VFID is normally accessed through VFEI.

   b. Free-Form. VFID can be accessed through free-form
       with:

       -VFID,<E, U, or R>, VIN=<Vessel Identification
           Number

3.D.2. b.(Cont'd) where:

```
E = entry mode
U = update mode
R = retrieval mode
VIN = vessel identification number or "NEWCG"
```

EXAMPLE:

-VFID,R,VIN=CG000135

c. Selection From Other Products. VFID can be accessed
from VFVSA (Vessel File Vessel Search Alphabetic)
when a specified vessel does not exist in the MSIS
database. PNVA (Party Name Vessel Association) also
allows you to select a vessel and display its VFID
data.

d. Product Use Authority Levels.
Retrieval - 1 Entry - 2
Enter vessel with service of FISHING or RECREATIONAL
without prior VFVS or VFVSA search - 4 (and you are
from a documentation port, G-MIM, or G-MVI6)
Modify vessel identification - 3

3. **VFID** Data Entry Requirements and Explanation.

a. General Processing.

(1) Initial Entry.

(a) If you are not from a documentation port or
Coast Guard Headquarters, you must use VFVS
(Vessel File Vessel Search) or VFVSA
(Vessel File Vessel Search Alphabetic) to
enter a new vessel into MSIS. This action
searches the MSIS database for the name of
the new vessel, thus attempting to prevent
duplicate entries. If the vessel does not
exist in the database, VFVS or VFVSA
assigns "NEWCG" as the vessel's initial
primary VIN and invokes VFID in Entry mode.
You may then:

[1] replace "NEWCG" with a known VIN on
VFID to make this VIN the vessel's
primary VIN, or

[2] retain "NEWCG" in the VIN slot to have
MSIS create a unique "CG" number for
the vessel's primary VIN.

3.D.3. a. (1) (b) If you are from a documentation port or Headquarters (G-MIM or G-MVI6) and have a special password authority (4), you may bypass a vessel search with VFVS or VFSVA and enter identification data for vessels with a service type of "Fishing" or "Recreational." You must free-form the request for VFID by specifying **E** mode and a VIN of **NEWCG.**

(c) You must enter basic identification data into VFID. This includes the vessel's name, flag, and service. All other information is optional.

(d) Data for the Design Type slot is mapped from VFDD (Vessel File Design Details) and data for both the Coast Guard Control Documents and Responsible Ports data groups are mapped from other products. (See b. "Special Processing" for more information.)

(e) If you enter a primary VIN for a vessel, the VIN must be unique in MSIS. In addition, you may enter up to four (4) unique alternate VINs for the vessel. VINs are locked after initial entry, but you can replace a primary VIN with an alternate VIN or replace an alternate VIN with a primary VIN. Note that a documented vessel's primary VIN must be a "D" number.

(f) Each VIN, alternate VIN, call sign, and RBS hull number must be unique. VFID checks these identifiers against each other and with the existing identifiers in the MSIS database. (See b. "Special Processing" for the proper format of these identifiers upon initial entry.)

(g) VFID checks a vessel's flag code against its call sign to ensure that the call sign falls within the series assigned to that country. If there is a mismatch, the message "FLAG/CALL MISMATCH - VALID CALLSIGN RANGE(s) FOR [flag code]", along with the allowable ranges, appears at the bottom of the screen. You must change the flag code or call sign, or blank out the call sign to correct the mismatch. (VFID accepts a blank call sign.) VFID checks for a proper flag-call sign match upon initial entry of a vessel and when a vessel's flag or call sign change.

3.D.3. a. (1) (h) When you successfully enter all data for the new vessel, VFID displays a screen message to confirm your new vessel's entry into MSIS and, if necessary, it assigns a CG number that appears in the primary VIN slot.

(i) Upon initial entry, VFID automatically enters your port code and the current date into the Last Revised data slot.

(2) Update Mode.

(a) You may access VFID in update mode to change a vessel's identification data using a valid VIN, call sign, or RBS hull number. You can change the values in any of the open slots.

(b) You may change a vessel's primary VIN as long as the vessel does not already have three alternate VINs. When you change the primary VIN, VFID makes the old primary VIN an alternate VIN. You can make an alternate VIN the vessel's primary VIN by overtyping the alternate VIN value in the primary VIN slot. VFID then automatically moves the old primary VIN to an alternate VIN slot.

(c) If you change a vessel's name, primary or alternate VINs, call sign, flag, service, or RBS hull number, VFID requires you to complete the data slots in the Vessel Identifier Change Log data group. VFID lists each change you make in the historical change log.

(d) After you modify one or more of the identification slots, press **SEND** and VFID lists the appropriate number of change log paragraphs. Each paragraph displays an item number, your unit, the slot that changed, and the slot's previous value. You must enter the reason for the change, the effective date, and the case number of the activity report that triggered the change or the word "ADMIN."

(e) If you are in the historical change log and decide that you do not wish to make any of the changes listed, press **<SHIFT><ABORT>** to exit VFID and return all slots to their previous values.

3.D.3. a. (2) (f)   The data slots that specify the vessel's
control documents and certification port,
port of responsibility, or documentation
port are locked to entry/update. (See b.
"Special Processing" for more details.)

(g)   <u>Documented Vessels</u>. If you have a port
code of G-MVI6 and are designated to assign
a vessel an official number, you should
search MSIS for the existing vessel. If
you do not find the vessel in the database
under another VIN or number, enter the
official number in the primary VIN data
slot. If the vessel already exists in
MSIS, enter the official "D" number in the
primary VIN data slot and move the existing
VIN to an alternate VIN slot.

(h)   You should also specify the vessel's
responsible port for documentation
(DOCUMENTATION) because the vessel cannot
be linked to vessel documentation case
without a responsible port. If this slot
is blank, VFID displays the message "PLS
NOTE: HOMEPORT IS BLANK." You may enter
the documentation port code and press **SEND**
or press **SEND** with a Blank to process the
data without a documentation port.

Note: Headquarters assigns the Official
Numbers and home ports for documented
vessels. If a vessel is removed from
documentation, the last home port remains
in the DOCUMENTATION data slot.

(i)   <u>RBS Hull Number</u>. Only users from
Documentation ports may enter or modify RBS
hull numbers for documented vessels; VFID
locks the RBS HULL NUMBER slot to all other
ports. Any port may enter or modify the
RBS Hull Number for non-documented vessels.
If you enter a RBS Hull Number for a non-
documented vessel and a VFID record already
exists, you must complete an historical
change log entry. In this case, you should
enter **IN** (Initial Entry) in the Reason slot
of the change log.

(j)   <u>Name Change</u>. You may change the name of
any non-documented or archived vessel.
When you do, you must complete an
historical change log entry. In this case,
you should enter **NC** (Name Change) in the
REASON slot of the change log.

3.D.3. a. (2) (k) Once a vessel is documented, VFID locks its name and primary VIN data slots. Documentation ports may change the vessel's name by filing a documentation case and entering the vessel's new name on VDIC (Vessel Documentation Identification Change). When the case is validated, the new name appears on VFID.

(3) Retrieval Mode.

(a) VFID can be accessed in retrieval mode to view the data associated with a vessel, including historical change log entries. You may specify a VIN on VFEI or when free-forming. Alternatively, you may enter the vessel's call sign or RBS hull number and select VFID.

(b) If historical entries exist, the message "KEY "HISTORY" TO VIEW HISTORY" appears in the Response line. Enter **HISTORY** and press **SEND** to see the change log entries in reverse chronological order.

(c) You may select VFID in PMODE (**SELP**) to print a vessel's current identification data and its historical change log.

b. Special Processing.

(1) Cancelling an Official Number. The request to document a vessel with an Official Number can be withdrawn. If this occurs, only G-MVI6 may move this primary "D" to an alternate VIN slot.

(2) When a vessel is "sold foreign" and a Vessel Documentation case to delete the vessel's document is validated, VDDD (Vessel Documentation Document Deletion) changes the vessel's Official Number from its primary VIN to an alternate VIN. If the vessel has a Lloyd's number, it becomes the new primary VIN. If the vessel does not have a Lloyd's number, VDDD checks for a CG number. If one exists, it becomes the primary VIN. Otherwise, a new CG number is created and made the primary VIN.

(3) G-MVI6 may redesignate an Official Number for a vessel which has a "D" number as an alternate VIN. You must enter the "D" number in the primary VIN slot, which moves the current primary VIN to an alternate VIN slot. You may also need to change the vessel's flag code to

3.D.3. b. (3)(Cont'd) "US" and/or modify the documentation
port to the port responsible for documenting the
vessel.

(4) <u>Archiving a Vessel</u>. VFID may be used to archive
a vessel that has been lost at sea, scrapped, or
is no longer seaworthy. Enter **X** in the VESSEL
ARCHIVED slot and press **SEND**. This adds an
entry to the Historical Change Log and VFID
places an "*" (asterisk) in the thirty-third
(33) character position of the vessel name to
identify the vessel as archived. Archiving
locks all VFID slots except for the VESSEL
ARCHIVED slot.

(5) Documented vessels are automatically archived
when the category "Incapable of Water
Transportation" is selected on VDDD (Vessel
Documentation Document Deletion). Archiving a
vessel using VDDD causes an "X" to be placed in
VFID's VESSEL ARCHIVED slot and data to be
mapped to VFID's historical change log, upon
validation of the controlling VDAR. However,
archiving a vessel does not remove it's PM
indicator.

(6) VFID allows you to remove a vessel from
archiving by deleting the "X" from the VESSEL
ARCHIVED slot, completing an historical change
log entry, and pressing **SEND**.

NOTE: Archiving a vessel does not affect other
MSIS products or activities. For example, if
the vessel is inspected and has a COI, an MIAR
must be filed to remove the vessel from the
current port of certification's (POC) fleet of
responsibility to the port "DEACT".

(7) <u>Modifying Change Log Entries</u>. VFID does not
allow you to change historical log entries after
they are entered into the database. Only
Headquarters can modify these entries with UTMVH
(Utility Modify Vessel History). You can modify
log entries for documented vessels with VDEU
(Vessel Documentation Ex-name Utility). Access
VDEU and change the Reason slot from "OFFIC NAME
CHG" to "NAME CHANGE" for an existing name
change entry or to add new name change entries
to VFID's historical log.

3.D.3. b. (8) When you revise any data slot on VFID, it
                  updates the LAST REVISED slot with the date and
                  your port code.

            (9) When a vessel is created or changed, VFID makes
                  an entry on VFLNV (Vesssel File List of New
                  Vessels) and VFLCV (Vessel File List of Changed
                  Vessels), respectively.

            (10) The proper format for the identifiers listed
                  below is as follows:

Identifier   Format

Official Number   D + 6 or 7 numerals.
                          Only GMVI6 may enter or change.
                          Vessel must have U.S. flag.
                          Only one per vessel.
                          If used, must be vessel's primary VIN.

Lloyd's number   L + 7 numerals.
                          Can only be changed by Headquarters.
                          Only one per vessel.

ABS number   A + 7 numerals.
                          Only one per vessel

State number   First 2 characters must be valid state
                          code.

CG number   Not assigned unless "NEWCG" in primary
                          VIN slot.

RBS hull number   3 letters + alphanumeric characters.
                          If documented vessel, only Documentation
                          port can enter or update number.

Call sign   Must match range allowed for data in
                          Flag slot (country represented by flag
                          code).

            (11) Controlled Data Slots. VFID does not allow you
                  to enter data into the C0I (Certificate of
                  Inspection), COD (Certificate of Documentation),
                  or COC (Certificate of Compliance) slots. An
                  MIAR (Marine Inspection Activity Report) must be
                  filed and validated for certification for an "X"
                  to appear in the COI or COC data slots.
                  Likewise, an MIAR case must be filed to
                  deactivate the COI or COC and remove the "X"
                  from the slot. A VDAR (Vessel Documentation
                  Activity Report) must be filed and validated for
                  an "X" to appear in the COD data slot, and a
                  VDAR case must be filed to remove the "X" from
                  the slot.

FIGURE 3-3.   DATA DEFINITIONS FOR VFID

ENTRY/UPDATE SCREEN

```
COMMAND / _____ RESPONSE/PLS ENTER YOUR RESPONSE
VFID              VESSEL FILE IDENTIFICATION DATA              15AUG91

                           LAST REVISED:  PORT/ CORMS DATE/ 15AUG91

NAME/ __ ___LIT*_____ VIN/ __VIN*__ CALL/ __LIT___ FLAG/(1)
SERVICE/ ____(2)*_____           DESIGN TYPE/ _____(3)
ALT VIN/ __VIN___ ___VIN___ ___VIN___ __VIN___          VESSEL ARCHIVED/ X
RBS HULL NUMBER/ ____LIT**_____  4

COAST GUARD CONTROL DOCUMENTS:  COI/ X  COD/ X  COC/

PORTS OR UNITS:   CERTIFICATION/ CORMS  POR/        DOCUMENTATION/ HOUVD&
```

HISTORICAL CHANGE LOG SCREEN

```
COMMAND/ _____ RESPONSE/ MSIS   NEXT ON QUEUE
VFID              VESSEL FILE IDENTIFICATION DATA              06JUN91

                           LAST REVISED:  PORT/ CORMS DATE/ 05APR88

NAME/ HOLLY HOPPER                    VIN/ D1451456  CALL/ WAE36CG  FLAG/ US
SERVICE/ RECREATIONAL                 DESIGN TYPE/ CONVENTIONAL HULL
ALT VIN/ A1189222  CG000136                            VESSEL ARCHIVED/
RBS HULL NUMBER/ HYR23815

COAST GUARD CONTROL DOCUMENTS:  COI/ X  COD/    COC/

PORTS OR UNITS:   CERTIFICATION/ CORMS  POR/        DOCUMENTATION/ HOUVD

              --- VESSEL IDENTIFIERS CHANGE LOG ---
                                          EFFECTIVE REFERENCE
ITEM UNIT CHANGE        PREVIOUS VALUE      REASON    DATE    CASE
   1. HOUVD NAME HOLLY                      _(4)*_____ _CD*_  _CN*____
```

---

* Field must be filled in on initial entry.
** For documented vessels, slot is open to Documentation ports only.
& Slot is open to GMVI6 upon initial entry and when redesignating an Official Number.
@ Use VDDD (Vessel Documentation Document Deletion) to archive documented vessels.

TABLE 3-1.   CODE VALUES FOR VFID

(1)   FLAG CODES (Sorted by code value)

AC	ANTIGUA AND BARBUDA	CK	COCOS (KEELING) ISLANDS
AF	AFGHANISTAN	CM	CAMEROON
AG	ALGERIA	CN	COMORO ISLANDS
AL	ALBANIA	CO	COLOMBIA
AN	ANDORRA	CR	CORAL SEA ISLANDS
AO	ANGOLA		
AQ	AMERICAN SAMOA	CS	COSTA RICA
AR	ARGENTINA	CT	CENTRAL AFRICAN REPUBLIC
AS	AUSTRALIA		
AT	ASHMORE AND CARTIER ISLAND	CU	CUBA
		CV	CAPE VERDE IS.
AU	AUSTRIA	CW	COOK ISLANDS
AV	ANGUILLA	CY	CYPRUS
AY	ANTARCTICA	CZ	CZECHOSLOVAKIA
BA	BAHRAIN	DA	DENMARK
BB	BARBADOS	DJ	DJIBOUTI
BC	BOTSWANA	DO	DOMINICA
BD	BERMUDA	DQ	JARVIS ISLAND
BE	BELGIUM	DR	DOMINIAN REP.
BF	BAHAMAS	EC	ECUADOR
BG	BANGLADESH	EG	EGYPT
BH	BELIZE	EI	IRELAND
BL	BOLIVIA	EK	EQUATORIAL GUINEA
BM	BURMA		
BN	BENIN	EQ	CANTON AND ENDERBURY ISLANDS
BP	BRITISH SOLOMON ISLANDS		
		ES	EL SALVADOR
BQ	NAVASSA ISLAND	ET	ETHIOPIA
BR	BRAZIL	EU	EUROPA ISLAND
BS	BASSAS DA INDIA	FA	FALKLAND ISLANDS
BT	BHUTAN		
BU	BULGARIA	FG	FRENCH GUIANA
BV	BOUVET ISLAND	FI	FINLAND
BX	BRUNEI	FJ	FIJI
BY	BURUNDI	FO	FAEROE ISLANDS
BZ	GERMANY, BERLIN	FP	FRENCH POLYNESIA
CA	CANADA		
CB	KAMPUCHEA	FQ	BAKER ISLAND
CD	CHAD	FR	FRANCE
CE	SRI LANKA	FS	FRENCH SOUTHERN & ANTARCTIC
CF	CONGO		
CG	ZAIRE	FT	FRENCH TERR. OF THE AFARS
CH	CHINA, PEOPLES REPUBLIC OF		
		GA	GAMBIA
CI	CHILE	GB	GABON
CJ	CAYMAN ISLANDS	GE	GERMANY, FED. REPUBLIC
CK	COCOS (KEELING) ISLANDS		

TABLE 3-1. CODE VALUES FOR VFID (continued)

(1) FLAG CODES (continued)

GH	–	GHANA	KE	–	KENYA
GI	–	GILBRALTAR	KN	–	KOREA, NORTH
GJ	–	GRENADA	KQ	–	KINGMAN REEF
GK	–	GUERNSEY	KR	–	KIRIBATI
GL	–	GREENLAND	KS	–	KOREA, SOUTH
GO	–	GLORIOSO	KT	–	CHRISTMAS
		ISLANDS			ISLAND
GP	–	GUADELOUPE	KU	–	KUWAIT
GQ	–	GUAM	LA	–	LAOS
GR	–	GREECE	LE	–	LEBANON
GT	–	GUATEMALA	LI	–	LIBERIA
GV	–	GUINEA	LQ	–	PALMYRA ATOLL
GY	–	GUYANA	LS	–	LIECHTENSTEIN
GZ	–	GAZA STRIP	LT	–	LESOTHO
HA	–	HAITI	LU	–	LUXEMBOURG
HK	–	HONG KONG	LY	–	LIBYA
HM	–	HEARD ISLAND	MA	–	MADAGASCAR
		AND MCDONALD	MB	–	MARTINIQUE
HO	–	HONDURAS	MC	–	MACAO
HQ	–	HOWLAND ISLAND	MF	–	MAYOTTE
HU	–	HUNGARY	MG	–	MONGOLIA
IC	–	ICELAND	MH	–	MONTSERRAT
ID	–	INDONESIA	MI	–	MALAWI
IM	–	ISLE OF MAN	ML	–	MALI
IN	–	INDIA	MN	–	MONACO
IO	–	BRITISH INDIAN	MO	–	MOROCCO
		OCEAN TERR.	MP	–	MAURITIUS
IP	–	CHIPPERTON	MQ	–	MIDWAY ISLANDS
		ISLAND	MR	–	MAURITANIA
IQ	–	US MISC.	MS	–	MARSHALL
		PACIFIC ISLANDS			ISLANDS
IR	–	IRAN	MT	–	MALTA
IS	–	ISRAEL	MU	–	OMAN
IT	–	ITALY	MV	–	MALDIVES
IV	–	IVORY COAST	MX	–	MEXICO
IY	–	IRAQ-SAUDI	MY	–	MALAYSIA
		ARABIANEUTRAL	MZ	–	MOZAMBIQUE
IZ	–	IRAQ	NA	–	NETHERLANDS
JA	–	JAPAN			ANTILLES
JE	–	JERSEY	NC	–	NEW CALEDONIA
JM	–	JAMAICA	NE	–	NIUE
JN	–	SVALBARN AND	NF	–	NORFOLKISLAND
		JAN MAYEN	NG	–	NIGER
JO	–	JORDAN	NH	–	VANUATU
JQ	–	JOHNSTON ATOLL	NI	–	NIGERIA
JU	–	JUAN DE NOVA	NL	–	NETHERLANDS
		ISLAND	NO	–	NORWAY
			NP	–	NEPAL

TABLE 3-1. CODE VALUES FOR VFID (continued)

(1) FLAG CODES (continued)

NQ	-	TRUST TERR. OF THE PACIFIC
NR	-	NAURU
NS	-	SURINAM
NU	-	NICARAGUA
NZ	-	NEW ZEALAND
PA	-	PARAGUAY
PC	-	PITCAIRN ISLANDS CAICOS
PE	-	PERU
PF	-	PARACEL ISLANDS
PG	-	STRATLY ISLANDS
PK	-	PAKISTAN
PL	-	POLAND
PN	-	PANAMA
PO	-	PORTUGAL
PP	-	PAPUA NEW GUINEA
PQ	-	PANAMA CANAL ZONE
PU	-	GUINEA-BISSAU
QA	-	QATAR
RE	-	REUNION
RH	-	SOUTHERN RHODESIA
RO	-	RUMANIA
RP	-	PHILIPPINES
RQ	-	PUERTO RICO
RW	-	RWANDA
SA	-	SAUDI ARABIA
SB	-	ST PIERRE AND MIQUELON
SC	-	ST. CHRIST.- NEVIS-ANG
SE	-	SEYCHELLES IS.
SF	-	SOUTH AFRICA
SG	-	SENEGAL
SH	-	ST HELENA
SL	-	SIERRA LEONE
SM	-	SAN MARINO
SN	-	SINGAPORE
SO	-	SOMALIA
SP	-	SPAIN
SS	-	SPANISH SAHARA
ST	-	ST LUCIA
SU	-	SUDAN
SV	-	SVALBARD
SW	-	SWEDEN

SY	-	SYRIA
SZ	-	SWITZERLAND
TC	-	U.A.E.
TD	-	TRINIDAD AND TOBAGO
TE	-	TROMELIN ISLAND
TH	-	THAILAND
TK	-	TURKS AND ISLANDS
TL	-	TOKELAU
TN	-	TONGA
TO	-	TOGO
TP	-	SAO TOME AND PRINCIPE
TS	-	TUNISIA
TU	-	TURKEY
TV	-	TUVALU
TW	-	CHINA, REP. OF
TZ	-	TANZANIA
UG	-	UGANDA
UK	-	UNITED KINGDOM
UN	-	UNKNOWN
UR	-	SOVIET UNION
US	-	U.S.A.
UV	-	BURKINA
UY	-	URUGUAY
VC	-	ST VINCENT
VE	-	VENEZUELA
VI	-	BRITISH VIRGIN ISLANDS
VM	-	VIETNAM
VQ	-	VIRGIN ISLANDS
VT	-	VATICAN CITY
WA	-	NAMIBIA
WE	-	WEST BANK
WF	-	WALLIS AND FUTUNA
WI	-	WESTERN SAHARA
WQ	-	WAKE ISLAND
WS	-	WESTERN SAMOA
WZ	-	SWAZILAND
XX	-	UNKNOWN
YE	-	YEMEN (SANAA)
YO	-	YUGOSLAVIA
YS	-	YEMEN (ADEN)
ZA	-	ZAMBIA
ZI	-	ZIMBABWE

TABLE 3-1. CODE VALUES FOR VFID (Continued)

(2) SERVICE

CODE	MAPPED
COM	COMMERCIAL
FISH	FISHING BOAT
FRTB	FREIGHT BARGE
FRTS	FREIGHT SHIP
IND	INDUSTRIAL VESSEL
MODU	MODU
OR	OIL RECOVERY
OSV	OSV
OTEC	OTEC
PASS	PASSENGER
PASB	PASSENGER BARGE
PFRT	PUBLIC FREIGHT
PTNK	PUB. TANKSHIP/BARGE
POTH	PUBLIC VESSEL,UNC.
REC	RECREATIONAL
RES	RESEARCH VESSEL
SCOL	SCHOOL SHIP
TNKB	TANK BARGE
TBOD	TANK BARGE "OD"
TBOI	TANK BARGE "OI"
TNKS	TANK SHIP
TOW	TOWBOAT/TUGBOAT
UNC	UNCLASSIFIED VESS.

(3) DESIGN TYPE (Retrieval only)

CODE	MAPPED
ACV	AIR CUSHION VEHICLE
AISL	ARTIFICIAL ISLAND
BRGE	UNPOWERED BARGE
CAB	CAPTURED AIR BUBBLE
CONV	CONVENTIONAL HULL
DRSH	DRILL SHIP
HYD	HYDROFOIL
ITB	INT TUG-BARGE
JUBH	JACK-UP BARGE HULL
JUSS	JACK-UP SHIP SHAPE
MHD	MULTIPLE HULL DISP.
SSUB	SEMISUBMERSIBLE RIG
SUB	SUBMERSIBLE
SUBM	SUBMARINE
TLEG	TENSION LEG RIG
UNC	UNCLASSIFIED

TABLE 3-1. CODE VALUES FOR VFID (Continued)

(4)   REASON

<u>CODE</u>   **MAPPED**

```
AS    ASSIGN OFFIC NO
CA    CANCEL NUMBER
EE    ENTRY ERROR
IN    INITIAL ENTRY
LO    LOST
MS    MISSPELLED
NC    NAME CHANGE
OR    OWNER REQUEST
PM    PERM-MOOR
RD    REDESIGNATE NUM
SC    SCRAPPED
TR    TRANSFER
      OFFIC.  NAME  CHG
      DOC CHANGE
      DOC DELETED
      DOC CANCELLED
      FLD CORRECTION
      HQ CORRECTION
      MAINTENANCE  REQ
      TRANSFER
```

TABLE 3-2 VALID FLAG CODE-CALL SIGN COMBINATIONS

Flag	Country Range(s)	Call Sign	Flag	Country Range(s)	Call Sign
AC	ANIIGUA & BARBUDA	V2A-V2Z	CG	ZAIRE	9OA-9OZ
AG	ALGERIA	7TA-7YZ	CH	CHINA, PEOPLES REP.	3HA-3UZ
AL	ALBANIA	ZAA-ZAZ			BAA-BZZ
AO	ANGOLA	DZA-D3Z			XSA-XSZ
AQ	AMERICAN SAMOA	AA-ALZ	CI	CHILE	CAA-CEZ
		KAA-KZZ	CJ	CAYMAN ISLANDS	2AA-2ZZ
		NAA-NZZ			GAA-GZZ
		WAA-WZZ			MAA-MZZ
AR	ARGENTINA	LOA-LWZ			VPA-VSZ
AS	AUSTRALIA	VHA-VNZ			ZBA-ZJZ
		VZA-VZZ			ZQA-ZQZ
AU	AUSTRIA	OEA-OEZ	CM	CAMEROON	TJA-TJZ
			CN	COMOROS ISLANDS	D6A-D6Z
AV	ANGUILLA	2AA-2ZZ	CO	COLOMBIA	5JA-5KZ
		GAA-GZZ			HJA-HKZ
		MAA-MZZ			
		VPA-VSZ	CS	COSTA RICA	TEA-TEZ
		ZBA-ZIZ			TIA-TIZ
		ZQA-ZQZ	CU	CUBA	CLA-CMZ
BA	BAHRAIN	A9A-A9Z			OA-COZ
BB	BARBADOS	8PA-8PZ	CV	CAPE VERDE ISLANDS	D4A-D4Z
			CW	COOK ISLANDS	ZKA-ZMZ
BD	BERMUDA	AA-2ZZ	CY	CYPRUS	5BA-5BZ
		GAA-GZZ			C4A-C4Z
		MAA-MZZ			H2A-H2Z
		VPA-VSZ			P3A-P3Z
		ZBA-ZJZ	CZ	CZECHOSLOVAKIA	OKA-OMZ
		ZOA-ZQZ			
			DA	DENMARK	OUA-OZZ
BE	BELGIUM	ONA-OTZ			XPA-XPZ
BF	BAHAMAS	C6A-C6Z	DO	DOMINICA	J7A-J7Z
BG	BANGLADESH	S2A-S3Z	DR	DOMINICAN REPUBLIC	HIA-HIZ
BH	BELIZE	V3A-V3Z	EC	ECUADOR	HCA-HDZ
BL	BOLIVIA	CPA-CPZ			
BM	BURMA (MYANMAR)	XYA-XZZ	EG	EGYPT	SSA-SSM
BP	SOLOMAN ISLANDS	H4A-H4Z			SUA-SUZ
BR	BRAZIL	PPA-PYZ	EI	IRELAND	EIA-EJZ
BU	BULGARIA	LZA-LZZ	EK	EQUATORIAL GUINEA	3CA-3CZ
BX	BRUNEI DARUSSALEM	V8A-V8Z	ES	EL SALVADOR	HUA-HUZ
BY	BURUNDI	9UA-9UZ	ET	ETHIOPIA	ETA-ETZ
CA	CANADA	CFA-CFZ	FA	FALKLAND ISLANDS	2AA-2ZZ
		CYA-CZZ			GAA-GZZ
		VAA-VGZ			MAA-MZZ
		VOA-VOZ			VPA-VSZ
		VXA-VYZ			ZBA-ZJZ
CB	CAMBODIA (KAMPUCHEA)	XUA-XUZ			ZQA-ZQZ
CE	SRI LANKA	4PA-4SZ	FG	FRENCH GUIANA	FAA-FZZ
CF	CONGO	TNA-TNZ			THA-THZ
					TKA-TKZ
					TMA-TMZ
					TOA-TQZ
					TVA-TXZ

TABLE 3-2 VALID FLAG CODE-CALL SIGN COMBINATIONS (continued)

Flag	Country Range(s)	Call Sign	Flag	Country Range(s)	Call Sign
FI	FINLAND	OFA-OJZ	HO	HONDURAS	HQA-HRZ
FJ	FIJI	3DN-3DZ	HU	HUNGARY	HAA-HAZ
FO	FAEROE ISLANDS	OUA-OZZ	IC	ICELAND	TFA-TFZ
		XPA-XPZ			
FR	FRANCE	FAA-FZZ			YBA-YHZ
		THA-THZ	IN	INDIA	ATA-AWZ
		TKA-TKZ			VTA-VWZ
		TMA-TMZ			
		TOA-TOZ	IR	IRAN	EPA-EQZ
		TVA-TXZ	IS	ISRAEL	4XA-4XZ
			IT	ITALY	IAA-IZZ
PT	DJIBOUTI	J2A-J2Z	IV	IVORY COAST	TUA-TUZ
GA	GAMBIA	C5A-C5Z	IZ	IRAQ	HNA-HNZ
GB	GABON	TRA-TRZ			
GE	GERMANY, FED. PEP.	DAA-DRZ	JA	JAPAN	7JA-7NZ
GH	GHANA	9GA-9GZ			8JA-8NZ
GI	GIBRALTOR	2AA-2ZZ			JAA-JSZ
		GAA-GZZ	JM	JAMAICA	6YA-6YZ
		MAA-MZZ	JO	JORDAN	JYA-JYZ
		VPA-VSZ	KN	NORTH KOREA	HMA-HMZ
		ZBA-ZJZ			P5A-P9Z
		ZQA-ZQZ			
			KR	KIRIBATI	T3A-T3Z
GJ	GRENADA	J3A-J3Z			
GL	GREENLAND	OUA-OZZ	KS	SOUTH KOREA	D7A-D9Z
		XPA-XPZ			DSA-DTZ
GP	GUADELOUPE	FAA-FZZ			HLA-HLZ
KU	KUWAIT	9KA-9KZ			
		THA-THZ	LE	LEBANON	ODA-ODZ
		TKA-TKZ			
		TMA-TMZ	LI	LIBERIA	5LA-5LZ
		TOA-TQZ			6ZA-6ZZ
		TVA-TXZ			A8A-A8Z
					D5A-D5Z
GQ	GUAM	AAA-ALZ			ELA-ELZ
		KAA-KZZ			
		NAA-NZZ	LU	LUXEMBOURG	LXA-LXZ
		WAA-WZZ	LY	LIBYA	5AA-5AZ
			MA	MALAGASY (MADAGASCAR)	5RA-5SZ
GR	GREECE	J4A-J4Z			
		SVA-SZZ	MB	MARI1NIQUE	FAA-FZZ
					THA-THZ
GT	GUATEMALA	TGA-TGZ			TKA-TKZ
GV	GUINEA	3XA-3XZ			TMA-TMZ
GY	GUYANA	8RA-8RZ			TOA-TQZ
HA	HAITI	*******			TVA-TXZ
HK	HONG KONG	2AA-2ZZ	MC	MACAO	COA-CUX
		GAA-GZZ			XXA-XXZ
		MAA-MZZ			
		VPA-VSZ	MI-I	MONTSERRAT	2AA-2ZZ
		ZBA-ZIZ			GAA-GZZ
		ZQA-ZQZ			MAA-MZZ
					VPA-VSZ

TABLE 3-2 VALID FLAG CODE-CALL SIGN COMBINATIONS (continued)

Flag	Country Range(s)	Call Sign	Flag	Country Range(s)	Call Sign
MI	MALAWI	7QA-7QZ	PU	GUINEA-BISSEAU	JSA-JSZ
MN	MONACO	3AA-3AZ	QA	QATAR	A7A-A7Z
MO	MOROCCO	CNA-CNZ	RE	REUNION	FAA-FZZ
MP	MAURITIUS	3BA-3BZ			THA-THZ
MR	MAURITANIA	5TA-5TZ			TKA-TIC
MS	MARSHALL ISLANDS	V7A-V7Z			TMA-TMZ
MT	MALTA	9HA-9HZ			TOA-TOZ
MU	OMAN	A4A-A4Z			TVA-TXZ
MV	MALDIVES	8QA-8QZ	RO	ROMANIA	YOA-YRZ
MX	MEXICO	XAA-XIZ	RP	THE PHILIPPINES	4DA-4IZ
MY	MALAYSIA	9MA-9MZ			DUA-DZZ
		9WA-9WZ	SA	SAUDI ARABIA	HZA-HZZ
MZ	MOZAMBIQUE	C8A-C9Z	SB	ST.PIERRE & MIQUELON	FAA-FZZ
NA	NETHERLANDS ANTILLES	PJA-PJZ			THA-THZ
NC	NEW CALEDONIA	FAA-FZZ			TKA-TKZ
		THA-THZ			TMA-TMZ
		TKA-TKZ			TOA-TQZ
		TMA-TMZ			TVA-TXZ
		TVA-TXZ	SC	ST.CHRISTOPHER & NEVIS	TOA-TQZ
			SC	ST.CHRISTOPHER & NEVIS	V4A-V4Z
			SE	SEYCHELLES ISLANDS	S7A-S7Z
NG	NIGER	5UA-5UZ	SF	SOUTH AFRICA	ZRA-ZUZ
NH	NEW HEBRIDES(VANUATU)	YJA-YJZ	SG	SENEGAL	6VA-6WZ
NI	NIGERIA	5NA-5OZ			
NL	THE NETHERLANDS	PAA-PIZ	SH	ST. HELENA	2AA-2ZZ
					GAA-GZZ
NO	NORWAY	3YA-3YZ			MAA-MZZ
		JWA-JXZ			VPA-VSZ
		LAA-LNZ			ZBA-ZJZ
NP	NEPAL	9NA-9NZ			ZQA-ZQZ
NQ	TRUST TERR.OF PACIFIC	AAA-ALZ	SL	SIERRA LEONE	9LA-9LZ
		KAA-KZZ	SM.	SAN MARINO	T7A-T7Z
		NAA-NZZ	SN	SINGAPORE	9VA-9VZ
		WAA-WZZ			S6A-S6Z
SO	SOMALIA	6OA-6OZ			
NR	NAURU	C2A-C2Z	SP	SPAIN	EAA-EHZ
NS	SURINAM	PZA-PZZ			
NU	NICARAGUA	H6A-H7Z	SS	WESTERN SAHARA (SPAN SAH.)	
		YNA-YNZ			CNA-CNZ
			ST	ST. LUCIA	J6A-J6Z
NZ	NEW ZEALAND	ZKA-ZMZ	SU	SUDAN	SSN-STZ
PA	PARAGUAY	ZPA-ZPZ	SW	SWEDEN	SAA-SMZ
PE	PERU	OAA-OCZ			
PK	PAKISTAN	APA-ASZ	SY	SYRIA	YKA-YKZ
PL	POLAND	SNA-SRZ	SZ	SWITZERLAND	HBA-HBZ
			TC	UNITED ARAB EMIRATES	A6A-A6Z
PN	PANAMA	3EA-3FZ	TD	TRINIDAD & TOBAGO	9YA-9ZZ
		H3A-H3Z	TH	THAILAND	HSA-HSZ
		H8A-H9Z	TK	TURKS & CAICOS	2AA-2ZZ
		HOA-HPZ			GAA-GZZ
PO	PORTUGAL	CQA-CUZ			MAA-MZZ
		XXA-XXZ			VPA-VSZ
PP	PAPUA NEW GUINEA	P2A-P2Z			ZBA-ZJZ
					ZQA-ZQZ

VALID FLAG CODE-CALL SIGN COMBINATIONS

Flag	Country Range(s)	Call Sign	Flag	Country Range(s)	Call Sign
TN	TONGA	A3A-A3Z	UY	URUGUAY	CVA-CXZ
TO	TOGO	5VA-5VZ	VC	ST. VINCENT & GRENADINES	
TP	SAO TOME & PRINCIPES	9A-S9Z			J8A-J8Z
			VE	VENEZUELA	YVA-YYZ
TS	TUNISIA	3VA-3VZ			
		TSA-TSZ	VI	BRITISH VIRGIN ISLANDS	2AA-2ZZ
TU	TURKEY	TAA-TCZ			GAA-GZZ
TV	TUVALU	T2A-T2Z			MAA-MZZ
TW	TAIWAN	*******			VPA-VSZ
TZ	TANZANIA	5HA-5IZ			ZBA-ZJZ
UG	UGANDA	5XA-5XZ			ZQA-ZQZ
UK	UNITED KINGDOM	2AA-2ZZ	VN	VIETNAM	XVA-XVZ
		GAA-GZZ	WF	WALLIS & FUTUNA ISLANDS	
		MAA-MZZ			FAA-FZZ
		VPA-VSZ			THA-THZ
		ZBA-ZJZ			TKA-TKZ
		ZQA-ZQZ			TMA-TMZ
					TOA-TQZ
UR	SOVIET UNION	EKA-EKZ			TVA-TXZ
		EMA-EOZ			
		ERA-ESZ	WS	WESTERN SAMOA	5WA-5WZ
		EUA-EZZ	YE	YEMEN	4WA-4WZ
		YA-LYZ			7OA-7OZ
		RAA-RZZ	YO	YUGOSLAVIA	YTA-YUZ
		UAA-UZZ			YZA-YZZ
			ZA	ZAMBIA	9IA-9JZ
US	U.S.A.	AAA-ALZ			
		KAA-KZZ			
		NAA-NZZ			
		WAA-WZZ			

STEP 1

o   Enter name of vessel.

o   COMMAND:SEL,2

o   **SEND**

```
COMMAND/ SEL,2                         RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI              VESSEL FILE ENTRY INDEX                    12JUL90

NAME/ HOLLY BERRY                         VIN/ _____ CALL/ _____ FLAG/
SPECIAL CLASS (CIN)........../ _____    RBS HULL NUMBER./ _____
```

--- SUBJECT ---	-- MODE --		--- SUBJECT ---	-- MODE --	
	ENTRY	RTRV		ENTRY	RTRV
VESSEL SEARCH..................	1	21	SYSTEM SUMMARY.......(VFSS)	41	61
VESSEL SRCH ALPHABETIC.(VFVSA)	2	22	BOILERS............(VFBD)	42	62
VESSEL IDENTIFICATION..(VFID)	3	23	CARGO/BALLAST......(VFCS)	43	63
DESCRIPTION SUMMARY....(VFDS)	*	24	DECK MACHINERY.....(VFDM)	44	64
INVOLVED PARTIES.......(VFIP)	5	25	ELECTRICAL.........(VFED)	45	65
LIST OF DOCUMENTS......(VFLD)	6	26	FIRE FIGHTING-FIXED(VFFF)	46	66
PARTICULAR SUMMARY.....(VFPS)	7	27	FIRE FIGHTING-PORT.(VFPF)	47	67
CARGO ENTITLEMENT....(VFCE)	8	28	HULL...............(VFHD)	48	68
CONDITIONAL ENTITL.(VFCCE)	*	*	LIFESAVING.........(VFLS)	49	69
AUTHORITY..........(VFCA)	10	30	MARPOL RECEPTION...(VFMR)	50	70
CARGO LIST.........(VFCL)	11	31	MISC SYSTEMS.......(VFMS)	51	71
CONDITIONS.........(VFCC)	12	32	NAVIGATION.........(VFND)	52	72
CONSTRUCTION DETAILS.(VFCD)	13	33	PRESSURE VESSELS...(VFPV)	53	73
DESIGN...............(VFDD)	14	34	PROPULSION.........(VFPP)	54	74
MEASUREMENT..........(VFMD)	15	35	PUMPS..............(VFPD)	55	75
OPERATING............(VFOD)	16	36	STEERING...........(VFSD)	56	76
STABILITY/LOADLINE...(VFSL)	17	37	CLASS MEMBERSHIP.....(VFCM)	57	77
REQUEST AVAILABILITY (X).....	*	38	SPECIAL CLASS........(VFSC)	58	78

STEP 2

♦ VFVSA responds by allowing you to change the search criteria
   for your vessel's name.

♦ **SEND**


```
COMMAND/ _____  RESPONSE/ PLS ENTER YOUR RESPONSE
VFVSA              VESSEL FILE VESSEL SEARCH ALPHABETIC              12JUL90

Requested name from VFEI/ HOLLY BERRY_____

              ALPHABETIC RANGE               SEARCH
              BEGIN   END              NAME / PATTERN
              HOL __ HOL__      @BER@_____

You may expand the Search Range by changing the BEGIN or END values.
The SEARCH NAME/PATTERN may be a complete name for an exact match or
may be only a part of a name with a "@" entered where there are missing
letters or numbers. The "@" symbol may be used to replace 1 or more
characters. The "@" symbol has no meaning in the ALPHABETIC RANGE slots.
```

STEP 3

♦ VFVSA responds that the vessel does not exist in the database.

♦ Type **ADD** in the Command line.

♦ **SEND**

```
COMMAND/ ADD                        RESPONSE/ KEY "SEL,1,2,..." FOR DETAILS
VFVSA              VESSEL FILE VESSEL SEARCH ALPHABETIC              12JUL90

RANGE/ HOL   to HOL    PATTERN/ @BER@                    DATE/ 31MAY90
        Requested name from VFEI/ HOLLY BERRY

* UNABLE TO LOCATE VESSEL NAME OR SIMILAR VESSEL NAME IN THE MSIS DATA BASE. *

            --------- Next Desired Action ---------      --- Key ----

            Return to Menu with VIN                      SEL,# <SEND>
            Enter a Vessel into MSIS                     ADD   <SEND>
            Return to Menu with no Vessel selected       ABORT <SEND>
```

STEP 4

♦ MSIS responds with VFID.

♦ Enter desired information.

♦ **SEND**

NOTE: If a better identifier is known, NEWCG should be
overwritten.

```
COMMAND / _____RESPONSE/PLS ENTER YOUR RESPONSE
VFID                    VESSEL FILE IDENTIFICATION DATA              12JUL90

                                      LAST REVISED:  PORT/ BCL    DATE/ 05MAY89

NAME.../ HOLLY BERRY                   VIN/ NEWCG    CALL/ MISTOE  FLAG/ US
SERVICE/ PASSENGER                     DESIGN TYPE/
ALT VIN/ _____  _____  _____  _____      VESSEL ARCHIVED/
RBS HULL NUMBER/

COAST GUARD CONTROL DOCUMENTS:  COI/    COD/    COC/

PORTS OR UNITS:   CERTIFICATION/      POR/        DOCUMENTATION/
```

STEP 5

♦ MSIS responds with confirming message.

♦ **SEND** to return to VFEI.

```
COMMAND / _____RESPONSE/VFEI NEXT ON QUEUE
VFID                    VESSEL FILE IDENTIFICATION DATA                12JUL90
VESSEL ENTERED SUCCESSFULLY UNDER VIN/ CG000245
```

STEP 1

◆ Enter VIN on VFEI.

◆ COMMAND: **SEL,3**

◆ **SEND**

```
COMMAND/ SEL,3 _____  RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI                      VESSEL FILE ENTRY INDEX                  12JUL90

NAME/ _____  VIN/ CG000245  CALL/ _____ FLAG/ _____
SPECIAL CLASS (CIN)........../ _____  RBS HULL NUMBER./ _____

        --- SUBJECT ---         -- MODE --          --- SUBJECT ---      -- MODE --
                                ENTRY RTRV                               ENTRY RTRV
VESSEL SEARCH..................   1    21   SYSTEM SUMMARY.......(VFSS)    41   61
VESSEL SRCH ALPHABETIC.(VFVSA)    2    22      BOILERS...........(VFBD)    42   62
VESSEL IDENTIFICATION..(VFID)     3    23      CARGO/BALLAST.....(VFCS)    43   63
DESCRIPTION SUMMARY....(VFDS)     *    24      DECK MACHINERY....(VFDM)    44   64
INVOLVED PARTIES.......(VFIP)     5    25      ELECTRICAL........(VFED)    45   65
LIST OF DOCUMENTS......(VFLD)     6    26      FIRE FIGHTING-FIXED(VFFF)   46   66
PARTICULAR SUMMARY.....(VFPS)     7    27      FIRE FIGHTING-PORT.(VFPF)   47   67
   CARGO ENTITLEMENT....(VFCE)    8    28      HULL..............(VFHD)    48   68
      CONDITIONAL ENTITL.(VFCCE)  *    *       LIFESAVING........(VFLS)    49   69
      AUTHORITY..........(VFCA)   10   30      MARPOL RECEPTION...(VFMR)   50   70
      CARGO LIST.........(VFCL)   11   31      MISC SYSTEMS......(VFMS)    51   71
      CONDITIONS.........(VFCC)   12   32      NAVIGATION........(VFND)    52   72
   CONSTRUCTION DETAILS.(VFCD)    13   33      PRESSURE VESSELS...(VFPV)   53   73
   DESIGN...............(VFDD)    14   34      PROPULSION........(VFPP)    54   74
   MEASUREMENT..........(VFMD)    15   35      PUMPS.............(VFPD)    55   75
   OPERATING............(VFOD)    16   36      STEERING..........(VFSD)    56   76
   STABILITY/LOADLINE...(VFSL)    17   37   CLASS MEMBERSHIP.....(VFCM)    57   77
REQUEST AVAILABILITY (X).....     *    38   SPECIAL CLASS........(VFSC)    58   78
```

STEP 2

o MSIS responds with current vessel identification information.

```
COMMAND / _____RESPONSE/PLS ENTER YOUR RESPONSE
VFID                  VESSEL FILE IDENTIFICATION DATA              12JUL90

                              LAST REVISED:  PORT/ BCL    DATE/ 05MAY89

NAME.../ HOLLY BERRY                   VIN/ NEWCG    CALL/ MISTOE  FLAG/ US
SERVICE/ PASSENGER                     DESIGN TYPE/
ALT VIN/ _____  _____  _____  _____      VESSEL ARCHIVED/ _
RBS HULL NUMBER/

COAST GUARD CONTROL DOCUMENTS:  COI/    COD/    COC/

PORTS OR UNITS:   CERTIFICATION/      POR/        DOCUMENTATION/
```

STEP 3

o Change name as desired.

o **SEND**

```
COMMAND / _____RESPONSE/PLS ENTER YOUR RESPONSE
VFID               VESSEL FILE IDENTIFICATION DATA              12JUL90
                             LAST REVISED:  PORT/ BCL   DATE/ 05MAY89
NAME.../ HOLLY HOPPER_____ VIN/ NEWCG   CALL/ MISTOE  FLAG/ US
SERVICE/ PASSENGER                    DESIGN TYPE/
ALT VIN/ _____  _____  _____  _____         VESSEL ARCHIVED/ _
RBS HULL NUMBER/
COAST GUARD CONTROL DOCUMENTS:  COI/    COD/    COC/
PORTS OR UNITS:   CERTIFICATION/       POR/        DOCUMENTATION/
```

STEP 4

o   MSIS responds with the change log to record information
    concerning the change.

o   Enter the appropriate information.

o   **SEND**

```
COMMAND / _____RESPONSE/PLS ENTER YOUR RESPONSE
VFID                    VESSEL FILE IDENTIFICATION DATA                 12JUL90

                                      LAST REVISED:  PORT/ BCL    DATE/ 05MAY90

NAME.../ HOLLY HOPPER                     VIN/ D000338  CALL/ MISTOE   FLAG/ US
SERVICE/ PASSENGER                        DESIGN TYPE/
ALT VIN/                                                    VESSEL ARCHIVED/
RBS HULL NUMBER/

COAST GUARD CONTROL DOCUMENTS:  COI/     COD/     COC/

PORTS OR UNITS:    CERTIFICATION/         POR/            DOCUMENTATION/
                      --- VESSEL IDENTIFIERS CHANGE LOG ---

                                                          EFFECTIVE REFERENCE
ITEM UNIT CHANGE          PREVIOUS VALUE           REASON    DATE      CASE
  1. SEAVD NAME HOLLY BERRY                      OR_____  11JUL90 MI90000324
```

STEP 5

♦   MSIS responds with a confirmation message.

```
     COMMAND / _____RESPONSE/VFEI NEXT ON QUEUE
     VFID                     VESSEL FILE IDENTIFICATION DATA              12JUL90

     PROD COMPLETED SUCCESSFULLY
```

E. Vessel File Description Summary -- **VFDS.**

   1. **VFDS** Purpose and Description.

      a. Displays a summary of the vessel's physical and non-
          physical descriptions.

      b. Used to help verify the identity of a questionable
          vessel.

      c. Allows menu selections to VFIP (Vessel File Involved
          Parties), VFPS (Vessel File Particulars Summary),
          VFSS (Vessel File Systems Summary), VFLD (Vessel File
          List of Documents), and VDER (Vessel Documentation
          Element Record).

      d. Figure 3-4 shows VFDS as it appears on the terminal.

   2. Accessing **VFDS.**

      a. Menu. VFDS is normally accessed through VFEI.

      b. Free-Form. VFDS can be accessed through free-form
          with:

          -VFDS,R,VIN=<vessel identification number>

          where:

          R = retrieval mode
          VIN = vessel identification number

          EXAMPLE:

          -VFDS,R,VIN=L5137949

      c. Selection From Other Products. VFDS is not accessed
          from other products.

      d. Product Use Authority Levels. Retrieval - 1.

   3. **VFDS** Data Entry Requirements and Explanation.

      a. General Processing.

          (1) VFDS is a retrieval product accessed through
               VFEI with a VIN. VFDS displays vessel
               identification data, a summary of the vessel's
               involved parties, physical and design particu-
               lars, control documents, and trade endorsements.

(2) You may use the SEL command to view more
     detailed information about a vessel. Enter **SEL**
     and **1, 2, 3, 4, or 5** to see the following
     products:

     (a) Involved Party Summary   VFIP

     (b) Particulars Highlights   VFPS

     (c) Design Highlights   VFSS

     (d) Control Documents   VFLD

     (e) Trade Endorsements   VDER

Note: For documented vessels, only VDER may be used
to enter or update hull material (HULL MATL). Any
change to hull material on VDER is not reflected on
VFDS until the associated VDAR is validated.

b. Special Processing. None.

NAME/ HOLLYWOOD CHEM JIM _____ VIN/ CG000135 CALL/ JRW45 FLAG/ US
ALTERNATE VIN(S) / A1189111

1. INVOLVED PARTY SUMMARY

OWNER........../ OPERATIONAL CONTROL AUTHORITY _____ IP83000001
OPERATOR......./ OIL SPILLER INC _____ IP84000002
OWNER-MNG....../ HOLLYWOOD CORPORATION _____ IP86004501
MASTER........./ LATVIAN TRADING COMPANY _____ IP86000002
COFR APPLICANT/ MCGILICUTTY   HELEN _____ IP86000001
COFR LEGAL AGT/

2. PARTICULARS HIGHLIGHTS

SERVICE.../ TANK BARGE "OI"   ROUTE......./ CC   BUILD DATE.../ 01JAN47
GROSS TONS/   300   INSP SUBCHAP/ D   MAX PERSONS../   600
NET TONS../   34   LENGTH....../ 56.900 MIN CREW...../ 333
DWT......./   8880   LOA........./ _____ DISPLACEMENT./
AUTHORIZATION/ GRADE "A" & LOWER FLAM/COMB & SPECIFIED DANGEROUS CARGOES
46CFR SUBCHAPTER D AUTHORITY: HIGHEST GRADE/ A   CAPACITY/   6455 UNITS/ GALS

3. DESIGN HIGHLIGHTS

HULL MATERIAL.../ ALUMINUM   TYPE CONST../
PROPULSION TYPE / STEAM TURBINE   HP AHEAD..../ 305000
AUTOMATION LEVEL/ 4   FUEL TYPE.../ NUCLEAR
NUM FUEL TANKS../ 12   FUEL CAP..../ 25000 F/C UNITS../ LBS
                                       LUBE OIL CAP/ 1000 L/O/C UNITS/ BBLS

4. CONTROL DOCUMENTS

DOCUMENT KIND	IDENT NUMBER	-----ISSUE DATA----- AGENCY	PORT	DATE	EXPIRE DATE	CURRENT STATUS
DOCUMENTATION CERTIFICATE	_____	USCG	WILVD	31MAY86	31MAY87	VALID
CERTIFICATE OF INSPECTION	MI86000048	USCG	CORMS	01AUG86	01AUG88	VALID

5. TRADE ENDORSEMENTS

COASTWISE ..../ X   GREAT LAKES/__   FISHERY.../
COASTWISE BOWATER ONLY/__   REGISTRY.../__   RECREATION/

FIGURE 3-4. EXAMPLE OF VFDS

F. Vessel File Involoved Parties -- **VFIP.**

   1. **VFIP** Purpose and Description.

      a. Allows you to enter, update, or display the parties
          (up to 13 companies or individuals) currently
          associated with a particular vessel.

      b. Allows you to change an involved party's relationship
          with a vessel from a current association to an
          historical association, or to delete an involved
          party's relationship with a vessel.

      c. Provides an historical record of changes to a
          vessel's owner, operator, or managing owner.

      d. Allows you to control how and whether PNVA (Party
          Name Vessel Association) or PNAS (Party Name
          Association Summary) reflect changes to a vessel's
          involved parties.

      e. Maps data to PNVA, PNAS, MIPIP (Marine Inspection
          Pre-Inspection Package), MISF (Marine Inspection
          Scheduler Function), MVCF (Marine Violation Case
          Formatter), MVSS (Marine Violation Subject
          Supplement), and VFDS (Vessel File Descriptive
          Summary), as well as to COIs (Certificates of
          Inspection), COCs (Certificates of Compliance), and
          various letters.

      f. Figure 3-5 shows the data definitions for VFIP. See
          Table 3-2 for Code Values and Enclosure (1) for the
          abbreviation meanings.

      g. The uses of VFIP are illustrated in the example
          sequences, Entering A Vessel's Involved Parties and
          Adding Or Changing Involved Parties.

   2. Accessing **VFIP.**

      a. Menu. VFIP is normally accessed through VFEI (Vessel
          File Entry Index).

      b. Free-Form. VFIP can be accessed through free-
          form with:

          -VFIP,<E, U, or R>,VIN=<Vessel Identification Number>

          where:

          E = entry mode
          U = update mode
          R = retrieval mode
          VIN = vessel identification number

3.F.2. b.(Cont'd) EXAMPLE:

-VFIP, R, VIN=CG000135

c. <u>Selection From Other Products</u>. You may select VFIP
from VFDS.

d. <u>Product Use Authority Levels</u>.

Retrieval - 1   Entry/Update - 2

3. **VFIP** <u>Data Entry Requirements and Explanation</u>.

a. <u>General Processing</u>.

(1) <u>Initial Entry</u>.

(a) Access VFIP through VFEI or with a free-
form command, specifying a VIN. VFIP first
displays the port that most recently
revised the VFIP and the date of the
revision, and information about the
specified vessel. This includes the
vessel's name, VIN, call sign, and flag.

(b) Next, VFIP displays lines for the owner and
operator in the Vessel Owner and Operator
data group, including slots for you to
enter the IPN and an effective date for the
vessel's owner and operator. In the Other
Involved Parties data group, VFIP displays
slots for you to enter the party's role,
"NEC" role, IPN, and effective date for up
to five (5) other involved parties. Both
data groups include a PROCESSING RESULTS
slot to display error or informational
messages about your entries.

(c) VFIP does <u>not</u> allow you to enter the
vessel's managing owner (OWNER-MNG role) as
an involved party. You must use VDOR
(Vessel Documentation Ownership Record) to
add or modify data about a vessel's
managing owner. VFIP displays the message
"DOC. FUNCTION" in the entry's PROCESSING
RESULTS slots and locks all data slots if
you try to enter data about managing owner.
If a managing owner has been specified on
VDOR before you access VFIP, VFIP displays
the update screen the first time you enter
VFIP.

3.F.3. a. (1) (d) To add other involved parties, enter a
                      party role, NEC description (if needed),
                      IPN, and effective date in the appropriate
                      data slots. You cannot enter a party role
                      of owner, operator, or owner-manager in the
                      Other Involved Parties data group. If you
                      enter "NEC" as the party's role, you must
                      enter a value in the NEC DESCR. slot. If
                      you enter NEC as a party role and provide a
                      NEC description, VFIP displays the NEC
                      description in the PARTY ROLE slot when you
                      subsequently invoke VFIP.

                  (e) After you press **SEND**, VFIP displays the
                      message "PLS NOTE ERROR MESSAGES BELOW"
                      near the top left hand corner of the screen
                      and places appropriate error or information
                      messages in the PROCESSING RESULTS slots,
                      if necessary. You must correct the entries
                      with errors and then press **SEND** again to
                      add the data to the database.

                  (f) VFIP ignores all new involved party entries
                      that do not contain a party role, effective
                      date, and IPN.

            (2) Update Mode.

                  (a) In update mode, VFIP displays the same
                      header information as it does upon initial
                      entry. You can update data in the Vessel
                      Owner and Operator data group if
                      information on a vessel's owner or
                      operator was completed during initial
                      entry. VFIP displays the existing
                      party's IPN, name and address, and
                      effective date, and slots for you to
                      enter a new IPN and effective date, as
                      well as a slot for displaying messages.
                      If the owner or operator slots were left
                      blank during initial entry, the lines for
                      owner and operator data are the same as
                      those provided upon initial entry. If
                      the vessel's owner-manager is specified
                      on VDOR, VFIP displays this data but you
                      cannot modify it.

                  (b) VFIP displays the role, IPN, name, and
                      address of the other involved parties
                      currently associated with the vessel, and
                      slots for you to change the party and
                      effective date currently associated with
                      the specified role. Each entry also
                      includes an action data slot and a
                      MESSAGES slot.

3.F.3. a. (2) (c) While VFIP automatically maintains a record of changes to a vessel's owner, operator, or managing owner, it does not keep a log of changes to the vessel's other involved parties. However, PNVA records a party's current and historical associations with vessels, and PNAS displays counts of a party's current and historical associations.

(d) VFIP provides an action data slot that allows you to control how and whether PNVA and PNAS reflect changes to a vessel's other involved parties. You can enter a Blank or a **"C," "D,"** or **"L."** The following table summarizes the use of each of these values, the required data, and the effect on PNVA:

Value	Desired Actions	New Date/IPN Slots	Effect on PNVA
Blank	Change IPN and effective date for existing role; make PNVA log entries	New date and IPN required	Old IPN - Changes association from current to historical New IPN - Adds new current association
C	Change IPN, effective date, or both; DO NOT make PNVA log entries	Date, IPN, or both must contain data	Old IPN - Removes current association from PNVA; DOES NOT add historical association New IPN - Adds new current association
D	Delete current role/IPN association; DO NOT make PNVA log entries	Blank	Removes current association from PNVA; DOES NOT add historical association
L	Delete current role/IPN association; make log entries	Date required	Changes association from current to historical

(e) The last data group on VFIP allows you to enter a party role, "NEC" description, IPN, and effective date for two (2) parties not

3-67

yet associated with your vessel. VFIP
allows up to 13 involved parties to be
associated with a single vessel, including
an owner, an operator, and a managing owner
(if applicable). Therefore, a single
vessel can have up to 10 other involved
parties.

(f) VFIP checks the IPNs you enter against the
database and displays error or
informational messages about your entry in
the PROCESSING RESULTS data slot. After
you correct any errors and press **SEND**
again, VFIP processes your data.

(g) VFIP automatically modifies the port and
date slots with the current date and your
port code if any VFIP data slots are
altered. If no changes are made, these
slots remain unchanged.

3.F.3. a. (3) <u>Retrieval Mode</u>.

(a) To access VFIP in retrieval mode, enter the
VIN on VFEI or free-form. If the vessel
has no data on VFIP, the message "REQUESTED
INFO NOT AVAILABLE" appears. In retrieval
mode, VFIP displays header information
identical to the initial entry screen, and
lists all the involved parties currently
associated with a vessel. This includes an
effective date, the involved party's role,
name, address, primary IPN, and alternate
IPNs, and if applicable, a link to another
party.

(b) As previously noted, VFIP maintains an
historical log of changes to a vessel's
owner, operator, and owner-manager. If an
historical change log exists, VFIP displays
the message "KEY "HISTORY" TO VIEW
HISTORY." To display the change log, enter
HISTORY in the Command line and press **SEND**.
Each entry includes an item number, the
unit that made the revision, the effective
date of the revision, and the role, name,
and IPN of a previous owner, operator, or
owner-manager.

(c) You may request VFIP in PMODE to print both
a vessel's current involved parties and its
historical change log.

b.   Special Processing.

(a)   When you change a vessel's managing owner
       with VDOR, VFIP displays the change
       immediately. However, an historical log
       entry does not occur until the associated
       vessel documentation case is validated on
       VDAR (Vessel Documentation Activity
       Report). If VDAR is closed to file rather
       than validated, VFIP's managing owner data
       are restored to their original values.
       When you access VDDD (Vessel Documentation
       Document Deletion) and validate the VDAR,
       the vessel's association with a managing
       owner no longer exists. Then the unit
       that validated the VDAR, and the effective
       date, party, name, and IPN of the former
       managing owner are mapped to VFIP.

3.F.3. b.   (b)   The LAST REVISED slot does not change when the
       vessel's managing owner changes on VDOR until
       the data are validated on VDAR. Upon
       validation, VFIP maps the validation date and
       the port that validated the case from VDOR to
       its LAST REVISED slot. When a   VDAR for document
       deletion (with a VDDD supplement) is validated,
       VDAR maps the date of validation and the acting
       port to VFIP's LAST REVISED slot.

ENTRY SCREEN

```
COMMAND/  _____  RESPONSE/ PLS ENTER YOUR RESPONSE
VFIP                    VESSEL FILE INVOLVED PARTIES                 21MAY91

NAME/ ROCKY                          VIN/ L8015234  CALL/ DH1367CG FLAG/ US

            --- ENTER ROLE, IP NUMBER, AND EFFECTIVE DATE ---
      (IF IP NUMBER NOT KNOWN, GO TO PNEI AND FIND BY ENTERING PARTY NAME)
                  --- VESSEL OWNER AND OPERATOR ---

   PARTY ROLE      NEC DESCR.      NEW IPN     EFFECTIVE DATE  PROCESSING RESULTS
   OWNER                          ___IPN___      ___CD___
   OPERATOR                       ___IPN___      ___CD___
                  --- OTHER INVOLVED PARTIES ---

   ___(1)_____    ___NARR____    ___IPN___      ___CD___
   _____     _____     _____     _____
   _____     _____     _____     _____
   _____     _____     _____     _____
   _____     _____     _____     _____
```

FIGURE 3-5. DATA DEFINITIONS FOR VFIP

UPDATE SCREEN

```
COMMAND/ _____ RESPONSE/ PLS ENTER YOUR RESPONSE
VFIP                    VESSEL FILE INVOLVED PARTIES                    24MAY91

                                    LAST REVISED:  PORT/ SEAMS DATE/ 21MAY91

NAME/ ROCKY                         VIN/ L8015234  CALL/ DH1367CG FLAG/ US
                    --- ENTER CHANGES BELOW ---
FOR SPECIAL ACTION ENTER:"C" TO CHANGE EFFECTIVE DATE OR IPN WITH NO LOG ENTRY
                         "D" TO DELETE WRONG IPN & EFFECTIVE DATE--NO LOG ENTRY
                         "L" TO ELIMINATE OLD IPN & EFF. DATE--MAKES LOG ENTRY
                    --NOTE: NO SPECIAL ACTION ALLOWED FOR OWNERS OR OPERATORS.

                    --- VESSEL OWNER AND OPERATOR ---

PARTY ROLE       OLD IPN    OLD DATE           NEW IPN    NEW DATE    MESSAGES
OWNER            IP91000041  21MAY91            __IPN___   __CD__
     OLD COMPANY NAME: CHICKEN OF THE SEA, INC.
     OR PERSON'S NAME:
               ADDRESS: P. O. BOX 1286


               REDWOOD
               CA / CALIFORNIA                 92614
PARTY ROLE       OLD IPN    OLD DATE           NEW IPN    NEW DATE    MESSAGES
OPERATOR         IP91000040  30MAY91           _IPN____   _CD__
     OLD COMPANY NAME:
     OR PERSON'S NAME: FOWLER            , BOOTH
               ADDRESS: 5202 MONONA DR.


               MADISON
               WI / WISCONSIN                  53716
               --- OTHER INVOLVED PARTIES ---

PARTY ROLE       OLD IPN    OLD DATE  (C,D,L)  NEW IPN    NEW DATE    MESSAGES
AGENT            IP91000043  10MAY91      *     __IPN___   __CD___
     OLD COMPANY NAME:
     OR PERSON'S NAME: WEBSTER           , JOHN
               ADDRESS: 4237 ELM ST.


               PHILADELPHIA
               PA / PENNSYLVANIA              12379
PARTY ROLE       OLD IPN    OLD DATE  (C,D,L)  NEW IPN    NEW DATE    MESSAGES
TANKERMAN        IP91000042  21MAY91      *     _IPN____   __CD__
     OLD COMPANY NAME:
     OR PERSON'S NAME: WILLIAMS          , BRUCE
               ADDRESS: 1302 ALLISON DRIVE


               NEWARK
               NJ / NEW JERSEY                 08672
           --- ENTER ROLE, IP NUMBER, AND EFFECTIVE DATE ---
     (IF IP NUMBER NOT KNOWN, GO TO PNEI AND FIND BY ENTERING PARTY NAME)
     PARTY ROLE     NEC DESCR.      NEW IPN    EFFECTIVE DATE  PROCESSING RESULTS
     ___(1)_____    _NARR_____    __IPN___     ___CD__
     _____     _____     _____   _____


* You may enter a C, D, or L to Change without log entries, Delete without log entries, or Delete
with log entries, respectively.
```

FIGURE 3-5.   DATA DEFINITIONS FOR VFIP (Continued)

TABLE 3-2. CODE VALUES FOR VFIP

(1) PARTY ROLE

CODE MAP	EXPLANATION
AGT AGENT	LOCAL PORT, SHIPPING AGENT
ALM ALT MASTER	ALTERNATE MASTER
CRT CHARTERER	CHARTERER
LSH LEASEHOLDER	LEASEHOLDER (NORMALLY FOR PLATFORMS)
MST MASTER	MASTER
MNG OWNER-MNG	MANAGER-OWNER FOR COD PURPOSES
NEC NEC-DESCR	NOT ELSEWHERE CLASSIFIED
OPR OPERATOR	OPERATOR - PARTY THAT EXERCISES CONTROL OVER VESSEL USE
OWN OWNER	OWNER FOR COI PURPOSES
PIC PERSON-IN-CHG	PERSON-IN-CHARGE
SHP SHIPPER	SHIPPER OF MATERIAL
TNK TANKERMAN	TANKERMAN

STEP 1

o   Enter the VIN on VFEI.

o   Type **SEL,5** in the Command line.

o   **SEND**

```
COMMAND/ SEL.5                          RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI                    VESSEL FILE ENTRY INDEX                 10AUG91

NAME/                               VIN/ L8015234  CALL/       FLAG/
SPECIAL CLASS (CIN)........../      RBS HULL NUMBER./

     --- SUBJECT ---        -- MODE --      --- SUBJECT ---        -- MODE --
                           ENTRY RTRV                            ENTRY RTRV
VESSEL SEARCH.................   1   21  SYSTEM SUMMARY.......(VFSS)  41  61
VESSEL SRCH ALPHABETIC.(VFVSA)   2   22     BOILERS............(VFBD)  42  62
VESSEL IDENTIFICATION..(VFID)    3   23     CARGO/BALLAST......(VFCS)  43  63
DESCRIPTION SUMMARY....(VFDS)    *   24     DECK MACHINERY.....(VFDM)  44  64
INVOLVED PARTIES.......(VFIP)    5   25     ELECTRICAL.........(VFED)  45  65
LIST OF DOCUMENTS......(VFLD)    6   26     FIRE FIGHTING-FIXED(VFFF)  46  66
PARTICULAR SUMMARY.....(VFPS)    7   27     FIRE FIGHTING-PORT.(VFPF)  47  67
  CARGO ENTITLEMENT....(VFCE)    8   28     HULL...............(VFHD)  48  68
     CONDITIONAL ENTITL.(VFCCE)  *   *      LIFESAVING.........(VFLS)  49  69
     AUTHORITY..........(VFCA)  10   30     MARPOL RECEPTION...(VFMR)  50  70
     CARGO LIST.........(VFCL)  11   31     MISC SYSTEMS.......(VFMS)  51  71
     CONDITIONS.........(VFCC)  12   32     NAVIGATION.........(VFND)  52  72
  CONSTRUCTION DETAILS.(VFCD)   13   33     PRESSURE VESSELS...(VFPV)  53  73
  DESIGN...............(VFDD)   14   34     PROPULSION.........(VFPP)  54  74
  MEASUREMENT..........(VFMD)   15   35     PUMPS..............(VFPD)  55  75
  OPERATING............(VFOD)   16   36     STEERING...........(VFSD)  56  76
  STABILITY/LOADLINE...(VFSL)   17   37  CLASS MEMBERSHIP.....(VFCM)  57  77
REQUEST AVAILABILITY (X).....    *   38  SPECIAL CLASS........(VFSC)  58  78
```

STEP 2

o Enter IPNs and effective dates.

o **SEND**

```
COMMAND/ _____  RESPONSE/ PLS ENTER YOUR RESPONSE
VFIP              VESSEL FILE INVOLVED PARTIES              10AUG91

NAME/ ROCKY                          VIN/ L8015234  CALL/ DH1367CG FLAG/ US
              --- ENTER ROLE, IP NUMBER, AND EFFECTIVE DATE ---
     (IF IP NUMBER NOT KNOWN, GO TO PNEI AND FIND BY ENTERING PARTY NAME)
                  --- VESSEL OWNER AND OPERATOR ---

  PARTY ROLE      NEC DESCR.      NEW IPN    EFFECTIVE DATE  PROCESSING RESULTS
  OWNER                          IP91000241     30JUL91
  OPERATOR                       IP90000549     30JUL91
                    --- OTHER INVOLVED PARTIES ---

  _____  _____  _____  _____
  _____  _____  _____  _____
  _____  _____  _____  _____
  _____  _____  _____  _____
  _____  _____  _____  _____
```

STEP 3

o   MSIS responds with verification.

```
COMMAND/ _____ RESPONSE/ PLS ENTER YOUR RESPONSE
VFIP                    VESSEL FILE INVOLVED PARTIES                 10AUG91

PROD COMPLETED SUCCESSFULLY
```

VFIP / Update / Adding Or Changing Involved Parties

STEP 1

o   Enter the VIN on VFEI.

o   Type **SEL,5** in the Command line.

o   **SEND**

```
COMMAND/ SEL,5 _____ RESPONSE/ PLS ENTER YOUR RESPONSE
VFEI                    VESSEL FILE ENTRY INDEX                  15AUG91

NAME/                                    VIN/ L8015234  CALL/      FLAG/
SPECIAL CLASS (CIN)........../           RBS HULL NUMBER./
```

--- SUBJECT ---	ENTRY	RTRV	--- SUBJECT ---	ENTRY	RTRV
VESSEL SEARCH..................	1	21	SYSTEM SUMMARY.......(VFSS)	41	61
VESSEL SRCH ALPHABETIC.(VFVSA)	2	22	BOILERS............(VFBD)	42	62
VESSEL IDENTIFICATION..(VFID)	3	23	CARGO/BALLAST......(VFCS)	43	63
DESCRIPTION SUMMARY....(VFDS)	*	24	DECK MACHINERY.....(VFDM)	44	64
INVOLVED PARTIES.......(VFIP)	5	25	ELECTRICAL.........(VFED)	45	65
LIST OF DOCUMENTS......(VFLD)	6	26	FIRE FIGHTING-FIXED(VFFF)	46	66
PARTICULAR SUMMARY.....(VFPS)	7	27	FIRE FIGHTING-PORT.(VFPF)	47	67
CARGO ENTITLEMENT....(VFCE)	8	28	HULL...............(VFHD)	48	68
CONDITIONAL ENTITL.(VFCCE)	*	*	LIFESAVING.........(VFLS)	49	69
AUTHORITY..........(VFCA)	10	30	MARPOL RECEPTION...(VFMR)	50	70
CARGO LIST.........(VFCL)	11	31	MISC SYSTEMS.......(VFMS)	51	71
CONDITIONS.........(VFCC)	12	32	NAVIGATION.........(VFND)	52	72
CONSTRUCTION DETAILS.(VFCD)	13	33	PRESSURE VESSELS...(VFPV)	53	73
DESIGN...............(VFDD)	14	34	PROPULSION.........(VFPP)	54	74
MEASUREMENT..........(VFMD)	15	35	PUMPS..............(VFPD)	55	75
OPERATING............(VFOD)	16	36	STEERING...........(VFSD)	56	76
STABILITY/LOADLINE...(VFSL)	17	37	CLASS MEMBERSHIP.....(VFCM)	57	77
REQUEST AVAILABILITY (X).....	*	38	SPECIAL CLASS........(VFSC)	58	78

STEP 2

o MSIS responds with current information and slots to enter new
    IPNs.

```
COMMAND/ _____ RESPONSE/ PLS ENTER YOUR RESPONSE
VFIP                    VESSEL FILE INVOLVED PARTIES                15AUG91

                                   LAST REVISED:  PORT/ SEAMS DATE/ 10AUG91

NAME/ ROCKY_____ VIN/ L8015234  CALL/ DH1367CG FLAG/ US
                     --- ENTER CHANGES BELOW ---
FOR SPECIAL ACTION ENTER:"C" TO CHANGE EFFECTIVE DATE OR IPN WITH NO LOG ENTRY
                         "D" TO DELETE WRONG IPN & EFFECTIVE DATE--NO LOG ENTRY
                         "L" TO ELIMINATE OLD IPN & EFF. DATE--MAKES LOG ENTRY
                    --NOTE: NO SPECIAL ACTION ALLOWED FOR OWNERS OR OPERATORS.

                     --- VESSEL OWNER AND OPERATOR ---

    PARTY ROLE      OLD IPN    OLD DATE        NEW IPN    NEW DATE    MESSAGES
OWNER_____  IP91000241  30JUL91        _____  _____
        OLD COMPANY NAME: CHICKEN OF THE SEA, INC._____
        OR PERSON'S NAME: _____ ,_____
              ADDRESS: P. O. BOX 1286_____

                       _____
                       REDWOOD_____
                       CA / CALIFORNIA_____        92614_____
    PARTY ROLE      OLD IPN    OLD DATE        NEW IPN    NEW DATE    MESSAGES
OPERATOR_____  IP90000549  30JUL91        _____  _____
        OLD COMPANY NAME: _____
        OR PERSON'S NAME: FOWLER_____ , BOOTH_____
              ADDRESS: 5202 MONONA DR._____

                       _____
                       MADISON_____
                       WI / WISCONSIN_____        53716_____
                     --- OTHER INVOLVED PARTIES ---

    PARTY ROLE      OLD IPN    OLD DATE  (C,D,L)  NEW IPN    NEW DATE    MESSAGES
TANKERMAN_____  IP91000043  10MAY91     __    _____  _____
        OLD COMPANY NAME: _____
        OR PERSON'S NAME: WEBSTER_____ , JOHN_____
              ADDRESS: 4237 ELM ST._____

                       _____
                       PHILADELPHIA_____
                       PA / PENNSYLVANIA_____        12379_____
               --- ENTER ROLE, IP NUMBER, AND EFFECTIVE DATE ---
        (IF IP NUMBER NOT KNOWN, GO TO PNEI AND FIND BY ENTERING PARTY NAME)
    PARTY ROLE      NEC DESCR.      NEW IPN    EFFECTIVE DATE  PROCESSING RESULTS

    _____    _____    _____    _____
    _____    _____    _____    _____
```

STEP 3

o Enter changes or additions.

o **SEND**

```
COMMAND/ _____ RESPONSE/ PLS ENTER YOUR RESPONSE
VFIP                     VESSEL FILE INVOLVED PARTIES                15AUG91

                              LAST REVISED:  PORT/ SEAMS DATE/ 10AUG91

NAME/ ROCKY _____ VIN/ L8015234  CALL/ DH1367CG FLAG/ US
                       --- ENTER CHANGES BELOW ---
FOR SPECIAL ACTION ENTER:"C" TO CHANGE EFFECTIVE DATE OR IPN WITH NO LOG ENTRY
                         "D" TO DELETE WRONG IPN & EFFECTIVE DATE--NO LOG ENTRY
                         "L" TO ELIMINATE OLD IPN & EFF. DATE--MAKES LOG ENTRY
                      --NOTE: NO SPECIAL ACTION ALLOWED FOR OWNERS OR OPERATORS.

                   --- VESSEL OWNER AND OPERATOR ---

   PARTY ROLE      OLD IPN    OLD DATE         NEW IPN    NEW DATE    MESSAGES
 OWNER _____  IP91000241 30JUL91          _____  _____
      OLD COMPANY NAME: CHICKEN OF THE SEA, INC. _____
      OR PERSON'S NAME: _____ , _____
           ADDRESS: P. O. BOX 1286 _____

                    _____
                    _____
                    REDWOOD _____
                    CA / CALIFORNIA _____  92614 _____
   PARTY ROLE      OLD IPN    OLD DATE         NEW IPN    NEW DATE    MESSAGES
 OPERATOR _____  IP90000549 30JUL91          IP91000506 11AUG91
      OLD COMPANY NAME: _____
      OR PERSON'S NAME: FOWLER _____ , BOOTH _____
           ADDRESS: 5202 MONONA DR. _____

                    _____
                    _____
                    MADISON _____
                    WI / WISCONSIN _____  53716 ____
                   --- OTHER INVOLVED PARTIES ---

   PARTY ROLE      OLD IPN    OLD DATE  (C,D,L)  NEW IPN    NEW DATE   MESSAGES
 TANKERMAN _____  IP91000043 30JUL91      C     IP90001209 13AUG91
      OLD COMPANY NAME: _____
      OR PERSON'S NAME: WEBSTER _____ , JOHN _____
           ADDRESS: 4237 ELM ST. _____

                    _____
                    _____
                    PHILADELPHIA _____
                    PA / PENNSYLVANIA _____  12379 ____
              --- ENTER ROLE, IP NUMBER, AND EFFECTIVE DATE ---
    (IF IP NUMBER NOT KNOWN, GO TO PNEI AND FIND BY ENTERING PARTY NAME)
   PARTY ROLE      NEC DESCR.      NEW IPN    EFFECTIVE DATE  PROCESSING RESULTS
 AGT _____      _____    IP89000762   _____
 _____        _____    _____   _____
```

STEP 4

o MSIS responds with "NO CHANGE" to the existing information and asks for the DATE to complete the additional entry.

```
COMMAND/ _____ RESPONSE/ PLS ENTER YOUR RESPONSE
VFIP                    VESSEL FILE INVOLVED PARTIES              15AUG91

                                LAST REVISED: PORT/ SEAMS DATE/ 10AUG91

NAME/ ROCKY _____      VIN/ L8015234  CALL/ DH1367CG FLAG/ US
                        --- ENTER CHANGES BELOW ---
FOR SPECIAL ACTION ENTER:"C" TO CHANGE EFFECTIVE DATE OR IPN WITH NO LOG ENTRY
                         "D" TO DELETE WRONG IPN & EFFECTIVE DATE--NO LOG ENTRY
                         "L" TO ELIMINATE OLD IPN & EFF. DATE--MAKES LOG ENTRY
                    --NOTE: NO SPECIAL ACTION ALLOWED FOR OWNERS OR OPERATORS.

                    --- VESSEL OWNER AND OPERATOR ---

PARTY ROLE       OLD IPN    OLD DATE           NEW IPN   NEW DATE    MESSAGES
OWNER _____  IP91000241 30JUL91           _____  _____
       OLD COMPANY NAME: CHICKEN OF THE SEA, INC. _____
       OR PERSON'S NAME: _____ , _____
            ADDRESS: P. O. BOX 1286 _____

                     REDWOOD _____
                     CA / CALIFORNIA _____  92614 ____
PARTY ROLE       OLD IPN    OLD DATE           NEW IPN   NEW DATE    MESSAGES
OPERATOR ____    IP90000549 30JUL91           IP91000506 11AUG91
       OLD COMPANY NAME: _____
       OR PERSON'S NAME: FOWLER _____ , BOOTH _____
            ADDRESS: 5202 MONONA DR. _____

                     MADISON _____
                     WI / WISCONSIN _____  53716 ____
                    --- OTHER INVOLVED PARTIES ---

PARTY ROLE       OLD IPN    OLD DATE  (C,D,L)  NEW IPN   NEW DATE    MESSAGES
TANKERMAN ____   IP91000043 30JUL91     C      IP90001209 13AUG91
       OLD COMPANY NAME: _____
       OR PERSON'S NAME: WEBSTER _____ , JOHN _____
            ADDRESS: 4237 ELM ST. _____

                     PHILADELPHIA _____
                     PA / PENNSYLVANIA _____  12379 ____
            --- ENTER ROLE, IP NUMBER, AND EFFECTIVE DATE ---
      (IF IP NUMBER NOT KNOWN, GO TO PNEI AND FIND BY ENTERING PARTY NAME)
   PARTY ROLE      NEC DESCR.       NEW IPN    EFFECTIVE DATE  PROCESSING RESULTS
AGT _____      _____  IP89000762    10AUG91
   _____       _____  _____      _____
```

STEP 5

o Enter the date.

o **SEND**

o MSIS responds with a confirmation message.

```
COMMAND/ _____ RESPONSE/ PLS ENTER YOUR RESPONSE
VFIP                          VESSEL FILE INVOLVED PARTIES              15AUG91
PROD COMPLETED SUCCESSFULLY
```

G. Vessel File List of New Vessels -- **VFLNV**.

1. **VFLNV** Purpose and Description.

    a. Lists all newly created vessels.

    b. Allows you to select identifying information about
        each new vessel via VFEI (Vessel File Entry Index)
        and VFMD (Vessel File Measurement Details).

    c. Allows you to remove individual entries or a group of
        entries specified by date.

    e. Allows control by Headquarters to prevent duplicate
        vessel entries.

    f. Figure 3-6 shows the data definitions for VFLNV.

2. Accessing **VFLNV.**

    a. Menu. VFLNV is normally accessed through UTEI.
        NOTE: It is not accessed through or listed on the
        VFEI menu.

    b. Free-Form. VFLNV can be accessed through free-form
        with:

        -VFLNV,<E, U, or R>

        where:

        E = entry mode
        U = update mode
        R = retrieval mode

        EXAMPLE:

        -VFLNV

    c. Selection From Other Products. VFLNV is not accessed
        from other products.

    d. Product Use Authority Levels.

        Retrieval - 1   Entry/Update - 2

3. **VFLNV** Data Entry Requirements and Explanation.

    a. General Processing.

        (1) Retrieval Mode.

             (a) VFLNV responds with the total number of
                  vessels in its list, along with a selection

3.G.3. a. (1) (a)(Cont'd) number, the primary VIN and name of
a newly-created vessel, the date the vessel
was created, the unit code and user ID of
the person who created the vessel, and a
deletion column. An entry is made on
VFLNV when a new vessel is created using
VFID (Vessel File Identification Data).

(b) VFLNV displays its entries in chronological
order according to the actual creation date
of the new vessel. Therefore, the oldest
entries are displayed first.

(2) Entry/Update Mode.

(a) In addition to the elements displayed in
retrieval mode VFLNV displays the DELETE
ALL ENTRIES BEFORE data slot. You may
delete individual entries or delete a
group of entries that fall within a
specified date period. Your options are:

[1] Place an **X** in the DELETE slot(s) of
one or more entries and press **SEND** to
delete the vessel(s).

[2] Specify a date in the DELETE ALL
ENTRIES BEFORE slot to delete all
entries (bulk kill) that are dated
prior to but not including the date
entered. Current and future dates are
invalid.

(3) All Modes.

(a) VFLNV displays fifty (50) entries per
screen. Enter **SEL, SELE, SELU, SELR, or
SELP** to access VFEI to make further
selections and then to access VFMD to
review a vessel's measurement data.

(b) VFLNV places your selection on the queue in
reverse order. Therefore, if you enter two
groups of selections, VFLNV processes the
second group first. After you make your
selections, press **SEND**, and you can make
additional selections from VFEI.

(c) **SELA** is a special command for printing a
variety of information about a specific
vessel. **SELA** automatically prints:

3.G.3. a. (3) (c) [1] <u>At all times</u>: VFID (Vessel File
Identification Data), VFDS (Vessel
File Description Summary), and VFCG
(Vessel File Coast Guard Contact Log).

[2] <u>Only if data exists in the database</u>:
VFIP (Vessel File Involved Parties),
VFLD (Vessel File List of Documents),
VFOC (Vessel File Open Case Log),
VDER (Vessel Documentation Element
Record), VDOR (Vessel Documentation
Ownership Record), VFVD (Vessel File
Vessel Documentation Log), VFMI
(Vessel File Marine Inspection Log),
VFVB (Vessel File Boarding Log),
VFMC (Vessel File Marine Casualty
Log), VFMP (Vessel File Marine
Pollution Log), VFVL (Vessel File
Violation Log), VFSP (Vessel File
Safety Performance Log), VFDL
(Vessel File Damage/Defects Log),
VFPS (Vessel File Particulars
Summary), VFCM (Vessel File Class
Membership), VFSL (Vessel File
Stability/Loadline Details), VFOD
(Vessel File Operating Details),
VFMD, VFDD (Vessel File Design
Details), VFCD (Vessel File
Construction Details), VFCC (Vessel
File Conditions of Carriage), VFCL
(Vessel File Cargo List), VFCA
(Vessel File Cargo Authority), VFCE
(Vessel File Cargo Entitlements),
VFSS (Vessel File Systems Summary),
VFSD (Vessel File Steering System
Details), VFPD (Vessel File Pump
Details), VFPP (Vessel File
Propulsion Details), VFPV (Vessel
File Pressure Vessels), VFND (Vessel
File Navigation Details), VFMS
(Vessel File Miscellaneous Systems),
VFMR (Vessel File MARPOL Reception),
VFLS (Vessel File Lifesaving
Details), VFHD (Vessel File Hull
Details), VFPF (Vessel File Portable
Fire-Fighting Details), VFFF (Vessel
File Fixed Fire-Fighting Details),
VFED (Vessel File Electrical
Details), VFDM (Vessel File Deck
Machinery Details), VFCS (Vessel
File Cargo/Ballast Details), and
VFBD (Vessel File Boiler Details).

(d) The first screen of VFLNV lists the maximum
lines and the message "KEY "SEL, 1,2,..."
FOR DETAILS" in the Response line. You
have the following five options:

3.G.3. a. (3) (d) [1] Press **SEND** with a Blank in the Command
line. The message "KEY "MORE" FOR
NEXT PAGE" appears if more entries
exist. You may then:

[a] Enter a Blank to start the
execution of your previous
selections (if any) or to display
the next product on the queue and
process your kill requests.

[b] Enter **SEL** or **SELA** commands to add
items to the queue. Then the
message "SEND FOR SELECTS OR KEY
"MORE" appears. You can enter a
Blank to execute your selections
or enter **MORE** to view more
selections.

[c] Enter **MORE** to view the next page
of data.

[d] Enter a free-form command and
press **SEND** to halt the execution
of VFLNV and access a new product
as well as process your kill
requests.

[e] Enter a **<SHIFT><ABORT>** to halt
the execution of VFLNV and
display the next product on the
queue.

[2] Enter **SEL** or **SELA** commands to add
items to the queue. Then the message
"SEND FOR SELECTS OR KEY "MORE"
appears. You may:

[a] Enter a Blank to start the
execution of your previous
selections (if any) or to display
the next product on the queue and
process your kill requests.

[b] Enter another **SEL** or **SELA** to put
more selections on the queue.

[c] Enter **MORE** to view the next page
of data.

3.G.3. a. (3) (d) [2] [d] Enter a free-form command and
                                press **SEND** to halt the execution
                                of VFLNV and access a new product
                                as well as process your kill
                                requests.

                           [e] Enter a **<SHIFT><ABORT>** to halt
                                the execution of VFLNV and to
                                display the next product on the
                                queue.

                      [3] Enter **MORE** to display the next page of
                           data.

                      [4] Enter a free-form command and press
                           SEND to halt the execution of VFLNV
                           and access a new product, as well as
                           process your kill requests.

                      [5] Enter a **<SHIFT><ABORT>** to halt the
                           execution of VFLNV.

        b. <u>Special Processing</u>. If VFLNV cannot find a user ID in
            the database, it maps the value "UNKNOWN" to the USER
            ID slot. If VFLNV cannot find a vessel name in the
            database, it maps the value "NOT FOUND" to the VESSEL
            NAME slot, and if you are in entry or update mode, it
            marks the entry for deletion from the list.

SCREEN IMAGES:

Entry/Update Mode:

```
COMMAND/ _____RESPONSE/ _____
VFLNV              VESSEL FILE LIST OF NEW VESSELS                    06JUN91

TOTAL NUMBER OF VESSELS ON LIST/ ____

DELETE ALL ENTRIES BEFORE....../  _CD_

                                                              USER
SEL      VIN            VESSEL NAME            DATE   UNIT      ID    DELETE
____  _____  _____  _____  _____  _____   X
____  _____  _____  _____  _____  _____   _
____  _____  _____  _____  _____  _____   _
____  _____  _____  _____  _____  _____   _
____  _____  _____  _____  _____  _____   _
```

Retrieval Mode:

```
COMMAND/ _____RESPONSE/ _____
VFLNV              VESSEL FILE LIST OF NEW VESSELS                    06JUN91

TOTAL NUMBER OF VESSELS ON LIST/ ____

                                                              USER
SEL      VIN            VESSEL NAME            DATE   UNIT      ID    DELETE
____  _____  _____  _____  _____  _____   _
____  _____  _____  _____  _____  _____   _
____  _____  _____  _____  _____  _____   _
____  _____  _____  _____  _____  _____   _
____  _____  _____  _____  _____  _____   _
```

FIGURE 3-6.   DATA DEFINITIONS FOR VFLNV

H. Vessel File List of Changed Vessels -- **VFLCV.**

   1. **VFLCV** Purpose and Description.

       a. Lists all vessels whose identification data recently
           changed.

       b. Allows you to select identifying information about
           each vessel via VFEI (Vessel File Entry Index) and
           VFMD (Vessel File Measurement Details).

       c. Allows you to remove individual entries or a group of
           entries specified by date.

       d. Allows control by Headquarters to prevent duplicate
           vessel entries.

       e. Figure 3-7 shows the data definitions for VFLCV.

   2. Accessing **VFLCV.**

       a. Menu. VFLCV is normally accessed through UTEI.

           NOTE: It is not accessed through or listed on the
           VFEI menu.

       b. Free-Form. VFLCV can be accessed through free-form
           with:

           -VFLCV,<E, U, or R)

           where:

           E = entry mode
           U = update mode
           R = retrieval mode

           EXAMPLE:

           -VFLCV,R

       c. Selection From Other Products. VFLCV is not accessed
           from other products.

       d. Product Use Authority Levels.

           Retrieval - 1 Entry/Update - 2

3.H.3. **VFLCV** Data Entry Requirements and Explanation.

    a. General Processing.

        (1) Retrieval.

            (a) You may access VFLCV in retrieval mode to view the total number of vessels listed, along with a selection number, VIN, vessel name, date the vessel's data were modified, unit code and user ID of the person who modified the vessel, and a deletion action data slot.

            (b) VFLCV displays an entry whenever a vessel's identification data are modified on VFID (Vessel File Identification Data), VDIM (Vessel Documentation Invalid Status Maintenance), or VDEU (Vessel Documentation Exname Utility), or when a VDAR (Vessel Documentation Activity Report) is validated, which changes a vessel's official name, home port, or documentation status.

            (c) VFLCV lists only one entry per single execution of a product, even if several changes to the vessel's data were made. When a vessel's name or primary VIN changes, VFLCV displays the vessel's new name or primary VIN. The date shown on VFLCV is the date the vessel's data were changed in MSIS, which may differ from the effective date of the change.

                NOTE: Changes made to a vessel's identification data using other products, such as the UT products, do not create entries on VFLCV.

            (d) Entries appear on the screen in chronological order according to the actual date the vessel data were modified. Therefore, the oldest entries are displayed first.

        (2) Entry/Update.

            (a) In addition to the elements in retrieval mode, VFLCV displays the DELETE ALL ENTRIES BEFORE data slot. You may delete individual entries or delete a group of entries that fall within a specified date period. Your two options are:

3.H.3. a. (2) (a) [1] Place an **X** in the DELETE slot(s) of
one or more entries and press **SEND** to
delete the changed vessel(s).

[2] Specify a date in the DELETE ALL
ENTRIES BEFORE slot to delete all
entries (bulk kill) that are dated
prior to but not including the date
entered. Current and future dates are
invalid.

(b) The message "VESSELS DELETED FROM LIST"
appears when you delete an individual or
bulk entry.

(3) <u>All Modes</u>.

(a) Enter **SEL, SELE, SELU, SELR, or SELP** to
access VFEI to make further selections and
then to access VFMD to review a vessel's
measurement data.

(b) VFLCV places your selections on the queue
in reverse order. Therefore, if you enter
two groups of selections, VFLCV processes
the second group first. After you make
your selections, press **SEND** and you can
make additional selections from VFEI.

(c) **SELA** is a special command for printing a
variety of information about a specific
vessel. **SELA** automatically prints:

[1] <u>At all times</u>: VFID (Vessel File
Identification Data), VFDS (Vessel
File Description Summary), and VFCG
(Vessel File Coast Guard Contact Log).

[2] <u>Only if data exists in the database</u>:
VFIP (Vessel File Involved Parties),
VFLD (Vessel File List of Documents),
VFOC (Vessel File Open Case Log),
VDER (Vessel Documentation Element
Record), VDOR (Vessel Documentation
Ownership Record), VFVD (Vessel File
Vessel Documentation Log), VFMI
(Vessel File Marine Inspection Log),
VFVB (Vessel File Boarding Log), VFMC
(Vessel File Marine Casualty Log),
VFMP (Vessel File Marine Pollution
Log), VFVL (Vessel File Violation
Log), VFSP (Vessel File Safety
Performance Log), VFDL (Vessel File
Damage/Defects Log), VFPS (Vessel File

3.H.3. a. (3) (c) [2](Cont'd) Particulars Summary), VFCM
(Vessel File Class Membership), VFSL
(Vessel File Stability/Loadline
Details), VFOD (Vessel File Operating
Details), VFMD, VFDD (Vessel File
Design Details), VFCD (Vessel File
Construction Details), VFCC (Vessel
File Conditions of Carriage), VFCL
(Vessel File Cargo List), VFCA (Vessel
File Cargo Authority), VFCE (Vessel
File Cargo Entitlements), VFSS (Vessel
File Systems Summary), VFSD (Vessel
File Steering System Details), VFPD
(Vessel File Pump Detals), VFPP
(Vessel File Propulsion Details), VFPV
(Vessel File Pressure Vessels), VFND
(Vessel File Navigation Details), VFMS
(Vessel File Miscellaneous Systems),
VFMR (Vessel File MARPOL Reception),
VFLS (Vessel File Lifesaving Details),
VFHD (Vessel File Hull Details), VFPF
(Vessel File Portable Fire-Fighting
Details), VFFF (Vessel File Fixed
Fire-Fighting Details), VFED (Vessel
File Electrical Details), VFDM (Vessel
File Deck Machinery Details), VFCS
(Vessel File Cargo/Ballast Details),
and VFBD (Vessel File Boiler Details).

(d) VFLCF displays up to fifty (50) entries per
screen and the message "KEY "SEL, 1,2,..."
FOR DETAILS" in the Response line. You
have the following five options:

[1] Press **SEND** with a Blank in the Command
line. The message "KEY "MORE" FOR
NEXT PAGE" appears if more entries
exist. You may then:

[a] Enter a Blank to start the
execution of your previous
selections (if any) or to display
the next product on the queue and
process your kill requests.

[b] Enter **SEL** or **SELA** commands to add
items to the queue. Then the
message **"SEND** FOR SELECTS OR KEY
"MORE" appears. You can enter a
Blank to execute your selections
or enter **MORE** to view more
selections.

3.H.3.   a.   (3) (d)   [1]   [c]   Enter **MORE** to view the next page
                                     of data.

                             [d]   Enter a free-form command and
                                     press**SEND** to halt the execution
                                     of VFLCV and access a new product
                                     as well as process your kill
                                     requests.

                             [e]   Enter a **<SHIFT><ABORT>** to halt
                                     the execution of VFLCV and
                                     display the next product on the
                                     queue.

                       [2]   Enter **SEL** or **SELA** commands to add
                             items to the queue. Then the message
                             "SEND FOR SELECTS OR KEY "MORE"
                             appears. You may:

                             [a]   Enter a Blank to start the
                                     execution of your previous
                                     selections (if any) or to display
                                     the next product on the queue and
                                     process your kill requests.

                             [b]   Enter another **SEL** or **SELA** to put
                                     more selections on the queue.

                             [c]   Enter **MORE** to view the next page
                                     of data.

                             [d]   Enter a free-form command and
                                     press **SEND** to halt the execution
                                     of VFLCV and access a new product
                                     as well as process your kill
                                     requests.

                             [e]   Enter a <SHIFT)<ABORT> to halt
                                     the execution of VFLCV and to
                                     display the next product on the
                                     queue.

                       [3]   Enter **MORE** to display the next page of
                             data.

                       [4]   Enter a free-form command and press
                             SEND to halt the execution of VFLCV
                             and access a new product, as well as
                             process your kill requests.

                       [5]   Enter a **<SHIFT><ABORT>** to halt the
                             execution of VFLCV.

3.H.3. b. <u>Special Processing</u>. If VFLCV cannot find a user ID in
            the database, it maps the value "UNKNOWN" to the USER
            ID slot. If VFLCV cannot find a vessel name in the
            database, it maps the value "NOT FOUND" to the VESSEL
            NAME slot, and if you are in entry or update mode, it
            marks the entry for deletion from the list.

SCREEN IMAGES:

Entry/Update Mode:

```
COMMAND/ _____RESPONSE/ _____
VFLCV                 VESSEL FILE LIST OF CHANGED VESSELS                06JUN91

TOTAL NUMBER OF VESSELS ON LIST/ _____

DELETE ALL ENTRIES BEFORE....../  _CD___
                                                              USER
SEL      VIN            VESSEL NAME              DATE   UNIT    ID     DELETE
____  _____  _____ _____ _____ _____  X
____  _____  _____ _____ _____ _____  _
____  _____  _____ _____ _____ _____  _
____  _____  _____ _____ _____ _____  _
____  _____  _____ _____ _____ _____  _
```

Retrieval Mode:

```
COMMAND/ _____RESPONSE/ _____
VFLCV                 VESSEL FILE LIST OF CHANGED VESSELS                06JUN91

TOTAL NUMBER OF VESSELS ON LIST/ _____
                                                              USER
SEL      VIN            VESSEL NAME              DATE   UNIT    ID     DELETE
____  _____  _____ _____ _____ _____  _
____  _____  _____ _____ _____ _____  _
____  _____  _____ _____ _____ _____  _
____  _____  _____ _____ _____ _____  _
____  _____  _____ _____ _____ _____  _
```

FIGURE 3-7.   DATA DEFINITIONS FOR VFLCV

CHAPTER 4. VESSEL CLASSES

A. <u>General</u>. There is a set of four products which comprise the vessel class group. The Vessel File Special Class (VFSC) product permits a series of vessels to be associated with each other as a class. The Vessel File Class Membership (VFCM) product displays the current class membership for a vessel while the Port File List of Special Classes (PFLSC) displays key data for each Special Class previously defined by a specific port. The Marine Inspection Class Note (MICN) captures and displays information concerning the inspection notes that pertain to a vessel class and copies those notes to the files (MISN) of every vessel in that class. VFSC, VFCM and MICN are presented in this section. A discussion of PFLSC may be found in the Port File Transaction Guide (COMDTINST M5230.21A).

B. Vessel File Special Class -- **VFSC.**

  1. **VFSC** Purpose and Description.

    a. Permits a series of vessels to be associated with
        each other as a class for MSIS manipulation.

    b. Figure 4-1 shows the data definitions for VFSC. See
        Enclosure (1) for the abbreviation meanings.

    c. Figure 4-2 shows the update screen for VFSC.

    d. The use of VFSC is illustrated in the following
        example sequence entitled: Entering a Special Class.

  2. Accessing **VFSC.**

    a. Menu. VFSC is normally accessed through VFEI.

    b. Free-Form. VFSC can be accessed through free-form
        with:

        -VFSC, E,CIN=<NEWSC>

        or

        -VFMC,<U or R>,CIN=<class identification number>

        where:

        E = entry mode
        U = update mode
        R = retrieval mode
        NEWSC = "NEWSC" (new class identification number>
        CIN = class identification number

        EXAMPLE:

        -VFEC, E,CIN=NEWSC

        or

        -VFSC,U,CIN=SC00021

    c. Selection From Other Products. VFSC can be accessed
        from VFCM and PFLSC.

    d. Product Use Authority Levels.

        Retrieval - 1. Enter/Delete a Class - 3. Update - 2.

4.B.   3. VFSC Data Entry Requirements and Explanation

a. General Processing. In **E(ntry)** mode, the user
    accesses VFSC through VFEI by entering **"NEWSC"** in
    the CIN slot on VFEI. MSIS responds with a blank
    VFSC form with space for 15 vessels and **"NEWSC"** in
    the CIN slot. The user may enter his or her own
    CIN, which MSIS then checks for uniqueness. This CIN
    may be any combination of alphanumeric
    characters (letters and/or numbers) up to
    8 characters in length. The user may
    also leave **"NEWSC"** in the slot and allow
    MSIS to assign a unique CIN. MSIS will
    assign a CIN in the form of SCxxxxxx where
    xxxxxx is a sequential number such as
    SC000201. The user then continues to fill
    out the remainder of the form. Class
    Name, CIN, Author, Retain Until Date and
    at least one vessel are required to file
    the VFSC.
    In **U(pdate)** mode, five blank data slots are pro-
    vided to enter the VINs of vessels to be added
    to a class. (A maximum of 80 vessels is allowed
    in any given class.) Vessels may also be
    deleted from a particular class by blanking out
    the vessel's VIN. If a vessel is deleted on
    VFSC, this change will automatically be
    reflected on the vessel's VFCM. An entire class
    of vessels may be deleted by placing an **"X"** in
    the Delete slot on VFSC. This action deletes
    every vessel's associated VFCM entry.
    VFSC may be accessed in **R(etrieval)** mode to see a
    list of all vessels in a particular class.
    Each special class has a Retain Until Date. On
    that date, a morning report entry is generated to
    the originating port to remind the port that the
    special class will automatically be deleted in ten
    (10) days unless action is taken to change the
    Retain Until Date.
    Only personnel with an access level of 3 or higher
    from the unit which originated the special class
    may enter or delete that special class. Only
    personnel from the originating unit with an access
    level of 2 or higher may update VFSC. All units
    may access VFSC in **R(etrieval)** mode.

b. Special Processing. None.

```
COMMAND/ _____RESPONSE/ PLS ENTER YOUR RESPONSE_____
VFSC                        VESSEL FILE SPECIAL CLASS                   10FEB92

                                      LAST REVISED:   PORT/ _____ DATE/ _____

CLASS NAME/ _____NARR_____   CLASS IDENTIFIER(CIN)/ _____*
ORIGINATING PORT/ _____  AUTHOR/ ___  DATE EST./ _____ RETAIN UNTIL/ ___CD___
Set SPECIAL ATTENTION Indicator/ X
                              --- DESCRIPTION ---
_____NARR_____
_____
_____
_____
_____

                           --- VESSELS IN CLASS ---
         VIN                     NAME                CALL   FLAG   STATUS
         **
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____
      _____      _____   _____  __   _____

DELETE THIS CLASS(X)/ ***
_____
```

*Locked upon subsequent entry/update.

**User must enter at least one VIN to create special class.

***Only appears upon subsequent entry/update. Slot never appears in Retrieval mode.

FIGURE 4-1. DATA DEFINITIONS FOR VFSC

C. Vessel File Class Membership -- **VFCM.**

    1. **VFCM** Purpose and Description.

        a. Displays the current class memberships for a vessel.

        b. Figure 4-3 shows the data definitions for VFCM.

    2. Accessing **VFCM.**

        a. Menu. VFCM is normally accessed through VFEI.

        b. Free-Form. VFCM can be accessed through free-form
           with:

           -VFCM,<U or R>,VIN=<vessel identification number>

           where:

           U = update
           R = retrieval mode
           VIN = vessel identification number

           EXAMPLE:

           -VFCM,R,VIN=L5137949

        c. Selection From Other Products. VFCM is not accessed
           from other products.

        d. Product Use Authority Levels.

           Retrieval - 1   Update-2

    3. **VFCM** Data Entry Requirements and Explanation.

        a. General Processing. VFCM may be accessed in
           U(pdate) or **R(etrieval)** mode, using a vessel's VIN.
           VFCM responds with a list of current class
           memberships, including Class Names, CINs,
           originating unit, the Date Created, and the Number
           in the Class. The user may view more detailed
           information on one or more current class
           memberships by using the Select fea-ture. MSIS
           responds with the related VFSC pro-duct(s). 0nly
           the originating unit may receive a VFSC in update
           mode.
           VFCM displays up to fifty (50) current class member-
           ships along with the message "KEY SEL, 1,2,...
           FOR VFSC(S)" in the Response Slot. The user
           selects the desired entries and presses **SEND**.
           If there are more entries, the Response Slot
           displays the message "SEND FOR SELECT(S) OR
           MORE". The user may make more selections,
           SEND a blank to bring up the first

4.C.3.a. (Cont'd) selection on the queue or enter **MORE** to see
          the next page of class memberships. If only one page
          of entries exists, the user may make more selections
          or press **SEND** twice to bring up the first selection
          on the queue.

     b. <u>Special Processing</u>. None.

Current Class Memberships:

```
COMMAND/ _____RESPONSE/ KEY "SEL,1,2,..." FOR VFSC(S)
VFCM                  VESSEL FILE CLASS MEMBERSHIP                      10FEB92

NAME/ _____ VIN/ _____ CALL/ _____ FLAG/ __

TOTAL CLASSES ON FILE/ ___           NUMBER OF PAST MEMBERSHIPS ON FILE/ ___
```

SEL	CLASS NAME	CIN	PORT	DATE CREATED	NUMBER IN CLASS	SPECIAL ATTENTION VESSEL
___.	_____	_____	____	_____	__	_
___.	_____	_____	____	_____	__	_
___.	_____	_____	____	_____	__	_
___.	_____	_____	____	_____	__	_

Past Class Memberships:

```
COMMAND/ _____RESPONSE/ KEY "SEL,1,2,..." FOR DETAILS
VFCM                  VESSEL FILE CLASS MEMBERSHIP                      10FEB92

NAME/ _____ VIN/ _____ CALL/ _____ FLAG/ __

TOTAL CLASSES ON FILE/ ___           NUMBER OF PAST MEMBERSHIPS ON FILE/ ___
                        ---PAST MEMBERSHIPS---
```

SEL	CLASS NAME	CIN	PORT	DATE CREATED	NUMBER IN CLASS	SPECIAL ATTENTION VESSEL
___.	_____	_____	____	_____	__	_
___.	_____	_____	____	_____	__	_
___.	_____	_____	____	_____	__	_
___.	_____	_____	____	_____	__	_
___.	_____	_____	____	_____	__	_

FIGURE 4-2. DATA DEFINITIONS FOR VFCM

D. <u>Port File List of Special Classes</u> -- **PFLSC.**
    Please see the Port File Transaction Guide, COMDTINST
    M5230.21A, for information about PFLSC.

E. Marine Inspection Class Note -- **MICN.**

   1. **MICN** Purpose and Description.

       a. Captures and displays information concerning the
           inspection notes that pertain to a vessel class.

       b. Copies the class note, in the form of a Marine
           Inspection Special Note, to the files of every vessel
           in that class.

       c. Displays the information in the special notes
           paragraph in MICP for each vessel in the class.

       d. Tickles expiration prompter memos to the initiating
           port for each class note for each vessel in that
           class via Port File Morning Report (PFMR).

       e. Figure 4-4 shows the data definitions for MICN. See
           Enclosure (1) for the abbreviation meanings.

       f. The use of MICN is illustrated in the following
           example sequence entitled: Entering a Class Note.

   2. Accessing **MICN.**

       a. Menu. MICN is normally accessed through MIEI.

       b. Free-Form. MICN can be accessed through free-form
           with:

           -MICN,E,CIN=<class identification number>

           where:

           E = entry mode
           CIN = class identification number

           EXAMPLE:

           -MICN, E,CIN=SC000001

       c. Selection From Other Products. MICN is not accessed
           from other products.

       d. Product Use Authority Levels.

           Entry - 3

   3. **MICN** Data Entry Requirements and Explanation.

       a. General Processing. MICN can only be accessed in
           E(ntry) mode, using a vessel's CIN. (Class notes may

4.E.3.a. (Cont'd) only be created by the unit that created the
class.) MICN responds with a blank for a Retain
Until date and a blank paragraph for the
user to enter a class note. Please note,
the Retain Until date must be later than
the date the note is being entered.)
MICN then copies the class note to the
special notes paragraph in MICP and to
MISN for each vessel in the class. MICN
also tickles morning report entries to
the initiating port for each class note
for each vessel in that class. On the
Retain Until date, a morning report entry
is generated for the initiating port as a
reminder that the special note will be
automatically deleted unless action is
taken prior to a specified date. Five
days later, a second memo is generated
for the same MISN as a reminder that
automatic deletion will occur. The user
may extend the retention date or delete a
note by blanking out the paragraph on
MISN (Marine Inspection Special Notes)
for each vessel individually. To update
an MISN created by MICN, the user must
use **CASE=ADMIN.** This will bring up those
special notes that do not have a case
number otherwise associated with them.

b. Special Processing. None.

```
COMMAND/ _____RESPONSE/ PLS ENTER YOUR RESPONSE
MICN                   MARINE INSPECTION CLASS NOTE                     26NOV91

PORT/ _____   DATE INITIATED/ _____   RETAIN UNTIL/ ___CD__   CIN/ _____
                           --- CLASS NOTE ---

DESCRIPTION/ _____NARR_____
             _____
```

FIGURE 4-3. DATA DEFINITIONS FOR MICN

CHAPTER 5. VESSEL PARTICULARS

A. <u>General</u>. The Vessel File product set contains a group of
    products which describe a vessel's safety and regulatory
    documents, and the primary operational and regulatory fea-
    tures of a vessel. Vessel File List of Documents (VFLD)
    addresses a vessel's documents, and Vessel File Particulars
    Summary (VFPS) summarizes a variety of the primary operational
    and regulatory features of a vessel. The details of
    these features are monitored by Vessel File:

    1. Design Details (VFDD)

    2. Measurement Details (VFMD)

    3. Operating Details (VFOD)

    4. Stability/Loadline Details (VFSL)

    5. Construction Details (VFCD)

    These products are discussed in this chapter.

B. Vessel File Particulars Summary -- **VFPS**.

    1. **VFPS** Purpose and Description.

        a. Entry, update and retrieval of General information
           about a vessel's design, measurements, operations,
           construction, stability and loadline test, and sub-
           chapter D Cargo authorization.

        b. Allows menu selection to the detailed products.

        c. Displays data from the appropriate detailed products,
           if such detail has been entered into MSIS.

        d. Locks the slots for registered and optional measures
           and build year and location for documented vessels.
           This information must be entered on VDER (Vessel
           Documentation Element Record).

        e. Maps data to MIPIP (Marine Inspection Pre-Inspection
           Package) when a detail record does not exist for a
           particular system.

        f. Figure 5-1 shows the data definitions for VFPS. See
           Table 5-1 for the code values and Enclosure (1) for
           the abbreviation meanings.

        g. The use of VFPS is illustrated in the following
           example sequence entitled: Entering Vessel
           Particulars

    2. Accessing **VFPS**.

        a. Menu. VFPS may be accessed through either VFEI.

        b. Free-Form. VFPS can be accessed through free-form
           with:

           -VFPS,<E, U, or R>,VIN=<vessel identification number>

           where:

           E = entry mode
           U = update mode
           R = retrieval mode
           VIN = vessel identification number

           EXAMPLE:

           -VFPS,R,VIN=L5137949

        c. Selection From Other Products. VFPS can be accessed
           from VFDS.

5.C.2. d. <u>Product Use Authority Levels</u>.

Retrieval - 1   Entry/Update - 2

3. **VFPS** Data Entry Requirements and Explanation.

a. <u>General Processing</u>. VFPS is a summary product which
may have data entered into it in two ways. First,
the user may enter VFPS through VFEI and then enter
information in the paragraph(s) or section(s) which
is (are) appropriate for a particular vessel.
Second, information which is entered directly into
the more detailed products, i.e., VFDD, VFMD, VFCD,
VFOD, VFSL, VFCA, VFCL, VFCC, and VDER is
<u>automatically</u> entered into VFPS by MSIS.
Unlike the direct entry of data from the detailed
products to VFPS, if VFPS is directly filled
in by the user, the detailed products are
<u>not</u> automatically created. This flexibility
allows the user to define the level of
detail which is required for any particular
vessel.

The user may enter VFPS in **U(pdate)** mode and may
update any paragraph or section of the VFPS if
<u>no</u> detailed product exists for that section.
If a detailed product exists, for example a
VFDD, that section (in this case, 1. DESIGN)
can be updated <u>only</u> via the detailed product.
VFPS can be accessed in **R(etrieval)** mode from VFEI
or VFDS, to view the summary data which exists
for a particular vessel.

VFPS also serves as a menu for the detailed
products. An **"X"** indicator appears immediately
in front of a section title if a detailed
product exists for that group of data. The
user may use the select command to proceed to
any of these particular detail products.
(Selection to the detailed products may be
done in any mode: **E(ntry), U(pdate) or
R(etrieval).**)

<u>Please Note:</u> For documented vessels, measurement
and construction data is also entered on
VDER (Vessel Documentation Element Record).
VDER controls the data on VFMD (Vessel File
Measurement Details) for registered and
optional measures and on VFCD (Vessel File
Construction Details) for build year and
build location. When measurement or
construction data is entered on VDER, the
new or changed data is displayed

5-3

5.C.3.a. (Cont'd) immediately on VFPS. However, if the asso-
ciated vessel documentation case (VDAR) is subse-
quently closed to file, VDER, VFMD and VFCD are
restored to their original values, including any
historical records. The effective date of the record
is also changed. (There is one exception to the
restoration process. If another user changes data on
VFPS after the vessel documentation case was opened
and prior to the closing to file, this data is
retained.)

   b. Special Processing. None.

```
COMMAND /  _____    RESPONSE/PLS ENTER YOUR RESPONSE
VFPS                      VESSEL FILE PARTICULARS SUMMARY              28AUG86

                                    LAST REVISED:  PORT/ _____ DATE/_____

NAME/ _____  VIN/ _____  CALL/ _____  FLAG/

                         1. DESIGN
SERVICE.../ _____  DESIGN TYPE /  _____(1)
VESSEL USE/ _____(2)_____  DECK DRAINAGE CLASS/ _____(3)
INSP SUBCH/ __(4)

                         2. MEASURES
TONNAGES......:  GROSS../ __I___    ITC GROSS../ __I___   DUAL GROSS../   __I
BY..../          NET..../ __I___    ITC NET..../ __I___   DUAL NET..../   __I
DIMENSIONS US :  LENGTH / __D___    BREADTH..../ __D___   DEPTH......./   __D
          ITC:  LENGTH / __D___    BREADTH..../ __D___   DEPTH......./   __D
                LOA..../ __D___    DEADWEIGHT / __I___   DISPLACEMENT/   __D

                     L 3. CONSTRUCTION
CONTRACT DATE / ___CD___    KEEL LAYING DATE/ ___CD___   DELIVERY DATE / ___CD
INIT CERT DATE/ ___CD___    BUILD YEAR..... / O_AN 4    BUILD DATE..../ ___CD
PLACE BUILT.../ _____NARR_____   COUNTRY/ (5)

                     _ 4. OPERATIONS
ROUTE CODE / ___(6)__   MINIMUM CREW / _I___   OTHER PERSONS IN CREW....../ _I
MAX PERSONS/ ___I___    PASSENGERS.../ _I___   PERSONS IN ADDITION TO CREW/ _I

                     _ 5. STABILITY/LOADLINE
STABILITY DOC: LETTER/ X  BOOK/ X  STATUS/ _(7)___ APP DATE/ __CD__ OFFICE/ (8)
LOADLINE REG : CFR PART/ (9)VESS TYPE/ (10) ROUTE TYPE/ __(11)__ FREEBD/ __D

                     _ 6. CARGO AUTHORITY
AUTHORIZATION/ _____NARR
46CFR SUBCHAPTER D AUTHORITY: HIGHEST GRADE/ (12)CAPACITY/ __I__ UNITS/ _(13)
HAZARDOUS SOLIDS IN BULK?/ X

                     _ 7. CARGO LIST
NUMBER OF SPECIFIC CHEMICALS AUTORIZED/ ___

                     _ 8. CARGO CARRIAGE CONDITIONS
-----------------------------------------------------------------------------
IF ANY DATA ELEMENTS ARE LOCKED, THEY MUST BE ENTERED OR MODIFIED VIA DETAILED PRODUCTS.
```

FIGURE 5-1.   DATA DEFINITIONS FOR VFPS

TABLE 5-1.   CODE VALUES FOR VFPS

(1) DESIGN TYPE

CODE	MAP
ACV	AIR CUSHION VEHICLE
AISL	ARTIFICIAL ISLAND
BRGE	BARGE, UNPOWERED
CAB	CAPTURED AIR BUBBLE
CONV	CONVENTIONAL HULL
DRSH	DRILL SHIP
HYD	HYDROFOIL
ITB	INT TUG-BARGE
JUBH	JACK-UP BARGE HULL
JUSS	JACK-UP SHIP SHAPE
MHD	MULTIPLE HULL DISP.
SSUB	SEMISUBMERSIBLE RIG
SUB	SUBMERSIBLE
SUBM	SUBMARINE
TLEG	TENSION LEG RIG
UNC	UNCLASSIFIED

(2) VESSEL USE

CODE	MAP
ATTV	ATTRACTION VESSEL
BBLK	BREAK BULK
CHEM	BULK LIQUID CHEMS
OIL	BULK OIL/PRODUCTS
BSOL	BULK SOLIDS
CABL	CABLE LAYER
CARC	CAR CARRIER
COMB	COMBINATION
CONT	CONTAINER
CC	CRUDE CARRIER
DRGE	DREDGE
DRIL	DRILL UNIT
ENER	ENERGY GEN/CONV
FERY	FERRY BOAT
BTSF	FISH/BOTTOM SHELL
DRAG	FISHING DREDGE
FISHG	FISHING GENERAL
HOOK	FISH/HOOD & LINE
PURS	FISH/PURSE SEINER
TRAP	FISH/TRAPS & POTS
TRLR	FISH/TRAWLER
FRTB	FREIGHT BARGE
GAS	GAS CARRIER
GSCM	GAS CHEMICAL
HDCR	HARBOR/DINNER CRUISE
INCN	INCINERATOR
INCR	INLAND CRUISE
LASH	LASH
LIFT	LIFT BOAT

TABLE 5-1.   CODE VALUES FOR VFPS (Continued)

(2)   VESSEL USE (Continued)

CODE	MAP
MODU	MOBILE DRILL UNIT
NA	NOT APPLICABLE
NEO	NEO BULK
OCCR	OCEAN CRUISE
OSV	OFFSHORE SUPPLY
DWP	OFFSHORE TRANSFER
OP	OIL PRODUCTS
OR	OIL RECOVERY
OBO	ORE-BULK OIL
HEAD	PARTY FISHING
PASS	PASSENGER O/B
PC	PRODUCT CARRIER
PLEZ	PLEASURE
PRSNB	PRISON BARGE
RORO	ROLL ON, ROLL OFF
PROC	PROCESS FACILITY
PROD	PRODUCTION PLATFORM
PTNK	PUBLIC TANKSHIP/BARGE
SASCH	SAILING SCHOOL
STBY	STANDBYBOAT
TAXI	WATER TAXI
TNKB	TANK BARGE
TBOD	TANK BARGE "OD"
TBOI	TANK BARGE "OI"
TOW	TOWING
OTEC	THERMAL ENERGY CONV
UNC	UNCLASSIFIED
WORK	WORK PLATFORM-GEN'L

(3)   DECK DRAINAGE CLASS

CODE	MAP
CP	COCKPIT
FD	FLUSH DECK
NC	NEC
WD	WELL DECK

(4)   INSPECTION SUBCHAPTER

CODE/MAP	EXPLANATION
D	TANK VESSELS
H	PASSENGER VESSELS
I	CARGO & MISC VESSELS
IA	MOBILE OFFSHORE DRILLING UNITS
N	DANGEROUS CARGOES (DRY BULK)
O	BULK DANGEROUS CARGOES
OD	COMBINATION OF O & D
OI	COMBINATION OF O & I
R	NAUTICAL SCHOOLS

TABLE 5-1. CODE VALUES FOR VFPS (Continued)

(4) INSPECTION SUBCHAPTER (Continued)

CODE/MAP	EXPLANATION
T	SMALL PAX VESSELS
U	OCEANOGRAPHIC VESSELS

(5) COUNTRY CODES

CODE		EXPLANATION	CODE		EXPLANATION
AL	-	ALBANIA	CN	-	COMORO ISLANDS
AG	-	ALGERIA	CF	-	CONGO
AQ	-	AMERICAN SAMOA	CW	-	COOK ISLANDS
AO	-	NGOLA	CS	-	COSTA RICA
AV	-	ANGUILLA	CU	-	CUBA
AC	-	ANTIGUA	CY	-	CYPRUS
AR	-	ARGENTINA	CZ	-	CZECHOSLOVAKIA
AS	-	AUSTRALIA	DA	-	DENMARK
AU	-	AUSTRIA	FT	-	DJIBOUTI
BF	-	BAHAMAS	DR	-	DOMINICAN REPUBLIC
BA	-	BAHRAIN	DO	-	DOMINICA
BG	-	BANGLADESH	DB	-	DUBAI
BB	-	BARBADOS	EC	-	ECUADOR
BE	-	BELGIUM	EG	-	EGYPT
BH	-	BELIZE	ES	-	EL SALVADOR
DM	-	BENIN, PEOPLES	EK	-	EQUATORIAL GUINEA
		REPUBLIC OF	ET	-	ETHIOPIA
BD	-	BERMUDA	FO	-	FAEROE ISLANDS
BL	-	BOLIVIA	FA	-	FALKLAND ISLANDS
BR	-	BRAZIL	FJ	-	FIJI
BP	-	BRITISH SOLOMON	FI	-	FINLAND
		ISLANDS	FR	-	FRANCE
VI	-	BRITISH VIRGIN	FG	-	FRENCH GUIANA
		ISLANDS	GB	-	GABON
BX	-	BRUNEI	GA	-	GAMBIA
BU	-	BULGARIA	GC	-	GERMAN DEMOCRATIC
BM	-	BURMA			REPUBLIC
BY	-	BURUNDI	GE	-	GERMANY, FEDERAL
CM	-	CAMEROON			REPUBLIC
CA	-	CANADA	GH	-	GHANA
CV	-	CAPE VERDE IS.	GI	-	GIBRALTAR
CJ	-	CAYMAN ISLANDS	GR	-	GREECE
CL	-	CHANNEL ISLANDS	GL	-	GREENLAND
CI	-	CHILE	GJ	-	GRENADA
CH	-	CHINA, PEOPLES	GP	-	GUADELOUPE
		REPUBLIC	GQ	-	GUAM
TW	-	CHINA, REPUBLIC OF	GT	-	GUATEMALA
CO	-	COLOMBIA	GV	-	GUINEA

TABLE 5-1. CODE VALUES FOR VFPS (Continued)

(5) COUNTRY CODES

CODE		EXPLANATION	CODE		EXPLANATION
GY	-	GUYANA	NC	-	NEW CALEDONIA
HA	-	HAITI	NZ	-	NEW ZEALAND
HO	-	HONDURAS	NU	-	NICARAGUA
HK	-	HONG KONG	NI	-	NIGERIA
HU	-	HUNGARY	NG	-	NIGER
IC	-	ICELAND	NO	-	NORWAY
IN	-	INDIA	MU	-	OMAN
ID	-	INDONESIA	PK	-	PAKISTAN
IR	-	IRAN	PQ	-	PANAMA CANAL ZONE
IZ	-	IRAQ	PN	-	PANAMA
EI	-	IRELAND	PP	-	PAPUA NEWGUINEA
IM	-	ISLE OF MAN	PA	-	PARAGUAY
IS	-	ISRAEL	PE	-	PERU
IT	-	ITALY	RP	-	PHILIPPINES
IV	-	IVORY COAST	PL	-	POLAND
JM	-	JAMAICA	PO	-	PORTUGAL
JA	-	JAPAN	PU	-	PORTUGUESE GUINEA
JO	-	JORDAN	RQ	-	PUERTO RICO
CB	-	KAMPUCHEA	QA	-	QATAR
KE	-	KENYA	RE	-	REUNION
GN	-	KIRIBATI	RO	-	RUMANIA
KN	-	KOREA, NORTH	SM	-	SAN MARINO
KS	-	KOREA, SOUTH	TP	-	SAO TOME AND PRINCIPE
KU	-	KUWAIT			
LE	-	LEBANON	SA	-	SAUDI ARABIA
LI	-	LIBERIA	SG	-	SENEGAL
LY	-	LIBYA	SE	-	SEYCHELLES IS.
LS	-	LIECHTENSTEIN	SL	-	SIERRA LEONE
LU	-	LUXEMBOURG	SN	-	SINGAPORE
MC	-	MACAO	SO	-	SOMALIA
MA	-	MADAGASCAR	SF	-	SOUTH AFRICA
MI	-	MALAWI	UR	-	SOVIET UNION
MY	-	MALAYSIA	SP	-	SPAIN
MV	-	MALDIVES	SS	-	SPANISH SAHARA
MT	-	MALTA	CE	-	SRI LANKA
MS	-	MARSHALL ISLANDS	SC	-	ST. CHRISTOPHER-NEVIS-ANG
MB	-	MARTINIQUE			
MR	-	MAURITANIA	SH	-	ST. HELENA
MP	-	MAURITIUS	ST	-	ST. LUCIA
MX	-	MEXICO	SB	-	ST. PIERRE AND MIQUELON
MN	-	MONACO			
MH	-	MONTSERRAT	VC	-	ST. VINCENT
MO	-	MOROCCO	SU	-	SUDAN
MZ	-	MOZAMBIQUE	NS	-	SURINAM
NR	-	NAURU	SW	-	SWEDEN
NP	-	NEPAL	SZ	-	SWITZERLAND
NA	-	NETHERLANDS ANTILLES	SY	-	SYRIA
			TZ	-	TANZANIA
NL	-	NETHERLANDS	TH	-	THAILAND

TABLE 5-1. CODE VALUES FOR VFPS (Continued)

(5) COUNTRY CODES

CODE		EXPLANATION	CODE		EXPLANATION
TO	-	TOGO	UY	-	URUGUAY
TN	-	TONGA	NH	-	VANAUTU
TD	-	TRINIDAD AND TOBAGO	VE	-	VENEZUELA
			VN	-	VIETNAM, NORTH
TQ	-	TRUST TERRITORY OF THE PA	VS	-	VIETNAM, REP OF
			VQ	-	VIRGIN ISLANDS
TS	-	TUNISIA	WF	-	WALLIS AND FUTUNA
TU	-	TURKEY			
TK	-	TURKS AND CAICOS ISLANDS	WS	-	WESTERN SAMOA
			YS	-	YEMEN (ADEN)
TV	-	TUVALU	YE	-	YEMEN
US	-	U.S. OF AMERICA	YO	-	YUGOSLAVIA
UG	-	UGANDA	CG	-	ZAIRE
TC	-	UNITED ARAB EMIRATES	ZA	-	ZAMBIA
UK	-	UNITED KINGDOM			

(6) ROUTE CODE

CODE/MAP	EXPLANATION
CC	COASTWISE
CG	COASTWISE AND GREAT LAKES
GG	GREAT LAKES
LL	LAKES, BAYS, SOUNDS
LC	LAKES, BAYS, SOUNDS + COASTWISE (LIMITED)
LG	LAKES, BAYS, SOUNDS + GREAT LAKES (LIMITED
NA	NOT APPLICABLE
OO	OCEANS
RR	RIVERS
RG	RIVERS AND GREAT LAKES (LIMITED)

(7) STABILITY DOCUMENT STATUS

CODE	MAP
PERM	PERMANENT
TEMP	TEMPORARY

TABLE 5-1. CODE VALUES FOR VFPS (Continued)

(8) PORT CODES

CODE	EXPLANATION
GMIM	(G-MIM) CG HEADQUARTERS
GCI	(G-CI) INTERNATIONAL AFFAIRS
GLMI	(G-LMI) MARITIME AND INTERNATIONAL LAW
GLCL	(G-LCL) CLAIMS AND LITIGATION
GICC	(G-ICC) INTELLIGENCE COORDINATION CENTER
GMEP	(G-MEP) ENVIRONMENTAL PROTECTION
GMMI	(G-MMI) INVESTIGATIONS
GMP	(G-MP) PLANNING STAFF
GMP3	(G-MP3) TRAINING STAFF
GMPS	(G-MPS) PORT SAFETY/SECURITY
GMTH	(G-MTH) TECHNICAL
GMVI	(G-MVI) VESSEL INSPECTIONS
GMSC	(G-MSC) MARINE SAFETY CENTER
GLMSC	LIAISON OFFICER, MILITARY SEALIFT COMMAND
MARAD	LIAISON OFFICER, MARITIME ADMIN
GMV1-6	(G-MVD) VESSEL DOCUMENTATION
GMVP	(G-MVP) VESSEL PERSONNEL (LIC/DOC)
GOLE	(G-OLE) OPERATIONAL LAW ENFORCEMENT
GPO	(G-PO) PERSONNEL
GTGC	(G-TGC) CGHQ COMMAND CENTER
GTIS	(G-TIS) INFORMATIONS SYSTEMS
OPA90	(G-MS) OPA-90 STAFF
ABSLO	AMERICAN BUREAU OF SHIPPING LIAISON OFFICER
COIL	CENTRAL OIL IDENTIFICATION LABORATORY
NSFCC	NATIONAL STRIKE FORCE COORDINATION CENTER
NSFLT	ATLANTIC AREA STRIKE TEAM
NSFPT	PACIFIC AREA STRIKE TEAM
NSFGT	GULF AREA STRIKE TEAM
ACEUR	COAST GUARD ACTIVITIES EUROPE
GMSC	MARINE SAFETY CENTER
MSS	MARINE SAFETY SCHOOL
NPFC	NATIONAL POLLUTION FUNDS CENTER
NRC	NATIONAL RESPONSE CENTER
OSC	OPERATIONS SYSTEM CENTER, MSIS HOST SITE
01B	COMMANDER, FIRST CG DISTRICT (B)
01O	COMMANDER, FIRST CG DISTRICT (O)
01M	COMMANDER, FIRST CG DISTRICT (M)
O1DJ	HEARING OFFICE
BOSMS	MSO BOSTON, MA
BOSVD	VESDOC, BOSTON, MA

TABLE 5-1. CODE VALUES FOR VFPS (Continued)

(8) PORT CODES (Continued)

CODE	EXPLANATION
POMMS	MSO PORTLAND, ME
BAND	MSO BANGOR, ME
PROMS	MSO PROVIDENCE, RI
CODD	MSO CAPE COD, MA
LISCP	COTP LONG ISLAND SOUND, CT
PTJD	PSD PORT JEFFERSON, NY
NYCMI	MIO NEW YORK, NY
NYCVD	VESDOC NEW YORK, NY
NLOD	MIDET NEW LONDON, CT
NYCCP	COTP NEW YORK, NY
02B	COMMANDER, SECOND CG DISTRICT (B)
02O	COMMANDER, SECOND CG DISTRICT (O)
02M	COMMANDER, SECOND CG DISTRICT (M)
02DJ	HEARING OFFICE
HUNMS	MSO HUNTINGTON, WV
LOUMS	MSO LOUISVILLE, KY
EVND	MSD EVANSVILLE, TN
CIND	MSD CINCINNATI, ON
MEMMS	MSO MEMPHIS, TN
GRND	MSD GREENVILLE, MS
PADMS	MSO PADUCAH, KY
NASD	MSD NASHVILLE, TN
PITMS.	MSO PITTSBURGH, PA
SLMMS	MSO ST. LOUIS, MO
SLMVD	VESDOC ST. LOUIS, M
STPD	MSD MINN./ST. PAUL
DAVD	MSD DAVENPORT, IA
PEOD	MSD PEORIA, IL
05B	COMMANDER, FIFTH CG DISTRICT (B)
05O	COMMANDER, FIFTH CG DISTRICT (O)
05M	COMMANDER, FIFTH CG DISTRICT (M)
05DJ	HEARING OFFICE
BALMS	MSO BALTIMORE, MD
HMRMS	MSO HAMPTON ROADS, VA
HMRVD	VESDOC HAMPTON ROADS, VA
WNCMS	MSO WILMINGTON, NC
PHIMS	MSO PHILADELPHIA, PA
PHIVD	VESDOC PHILADELPHIA, PA
07B	COMMANDER, SEVENTH CG DISTRICT (B)
07O	COMMANDER, SEVENTH CG DISTRICT (O)
07M	COMMANDER, SEVENTH CG DISTRICT (M)
07DJ	HEARING OFFICE

TABLE 5-1. CODE VALUES FOR VFPS (Continued)

(8) PORT CODES (Continued)

CODE	EXPLANATION
CHAMS	MSO CHARLESTON, SC
JACMS	MSO JACKSONVILLE, FL
MIAMS	MSO MIAMI, FL
MIAVD	VESDOC MIAMI, FL
SJPMS	MSO SAN JUAN, PR
PTPD	MSD PORT PONCE, PR
STTD	MSD ST. THOMAS, USVI
SAVMS	MSO SAVANNAH, GA
TAMMS	MSO TAMPA, FL
FTMD	MIDET FORT MEYERS, FL
08B	COMMANDER, EIGHTH CG DISTRICT (B)
08O	COMMANDER, EIGHTH CG DISTRICT (O)
08M	COMMANDER, EIGHTH CG DISTRICT (M)
08DJ	HEARING OFFICE
CORMS	MSO CORPUS CHRISTI, TX
BRND	MSO BROWNSVILLE, TX
GALMS	MSO GALVESTON, TX
MOBMS	MSO MOBILE, AL
PATMS	MSO PORT ARTHUR, TX
LKCD	MSD LAKE CHARLES, LA
HOUMS	MSO HOUSTON, TX
HOUVD	VESDOC HOUSTON,TX
MORMS	MSO MORGAN CITY, LA
HMAD	MSD HOUMA, LA
NEWMS	MSO NEW ORLEANS, LA
NEWVD	VESDOC NEW ORLEANS, LA
EBKD	MIDET EAST BANK, LA
AVND	MIDET AVONDALE
BATD	MSD BATON ROUGE, LA
HARD	MIDET HARVEY CANAL, LA
09B	COMMANDER, NINTH CG DISTRICT (B)
09O	COMMANDER, NINTH CG DISTRICT (O)
09M	COMMANDER, NINTH CG DISTRICT (M)
09DJ	HEARING OFFICE
BUFMS	MSO BUFFALO, NY
ALXD	MSD ALEXANDRIA BAY, NY
MASD	MSD MASSENA, NY
CHIMS	MSO CHICAGO, IL
CLEMS	MSO CLEVELAND, OH
CLEVD	VESDOC CLEVELAND, OH
DETMS	MSO DETROIT, MI
DULMS	MSO DULUTH, MN
MILMS	MSO MILWAUKEE, WI

TABLE 5-1. CODE VALUES FOR VFPS (Continued)

(8) PORT CODES (Continued)

CODE	EXPLANATION
TOLMS	MSO TOLEDO, OH
SIMMI	MIO ST. IGNACE, MI
STBMI	MIO STURGEON BAY, WI
GRHCP	COTP GRAND HAVEN, MI
SSMCP	COTP SAULT STE MARIE, MI
PA	COMMANDER, PACIFIC AREA
PACPJ	PAC AREA HEARING OFFICE, ALAMEDA, CA
PMLC1	SETTLEMENT OFFICE, LEGAL
PAFAC	FINANCE OFFICE, COLLECTIONS
PACNN	NNBIS PACIFIC REGION
11B	COMMANDER, ELEVENTH CG DISTRICT (B)
11O	COMMANDER, ELEVENTH CG DISTRICT (O)
11M	COMMANDER, ELEVENTH CG DISTRICT (M)
LOSMS	MSO LONG BEACH, CA
LOSVD	VESDOC LONG BEACH, CA
SBCD	MSD SANTA BARBARA,CA
SDCMS	MSO SAN DIEGO, CA
SFCMS	MSO SAN FRANCISCO, CA
SFCVD	VESDOC SAN FRANCISCO, CA
COND	MSD CONCORD, CA
13O	COMMANDER, THIRTEENTH CG DISTRICT (O)
13M	COMMANDER, THIRTEENTH CG DISTRICT (M)
PORMS	MSO PORTLAND, OR
PORVD	VESDOC PORTLAND, OR
SEAMS	MSO SEATTLE, WA
SEAVD	VESDOC SEATTLE, WA
TACD	MSD TACOMA, WA
14O	COMMANDER, FOURTEENTH CG DISTRICT (O)
14M	COMMANDER, FOURTEENTH CG DISTRICT (M)
HONMS	MSO HONOLULU, HI
SIND	MSD SINGAPORE
SAMD	MSD AMERICAN SAMOA
GUAMS	MSO GUAM
SAID	MSD SAIPAN
17O	COMMANDER, SEVENTEENTH CG DISTRICT (O)
17M	COMMANDER, SEVENTEENTH CG DISTRICT (M)
ANCMS	MSO ANCHORAGE, AK
KEND	MSD KENAI, AK
KODD	MSD KODIAK, AK
DHAD	MSD DUTCH HARBOR, AK

TABLE 5-1. CODE VALUES FOR VFPS (Continued)

(8) PORT CODES (Continued)

CODE	EXPLANATION
JUNMS	MSO JUNEAU, AK
JUNVD	VESDOC JUNEAU, AK
KETD	MSD KETCHIKAN, AK
SITD	MSD SITKA, AK
VALMS	MSO VALDEZ, AK

The following section of port codes can be used as a Historical Reference. These port codes were implemented at one time, so they can appear in the PORT slot. However, they are not to be used for E(ntry) purposes.

CODE	EXPLANATION
03M	COMMANDER, THIRD CG DISTRICT (M)
12M	COMMANDER, TWELFTH CG DISTRICT (M)
ANAD	MSD ANACORTES, WA
ASTD	MSD ASTORIA, OR
AVND	AVONDALE SHIPYARD
BERD	PSD BERWICK BAY, LA
CINMS	MSO CINCINNATI, OH
COOD	MSD COOS BAY, OR
DECD	MSD DECATUR, AL
HONVD	VEDOC HONOLULU, HI
HOUMI	MIO HOUSTON, TX
HOUCP	COTP HOUSTON, TX
GMER	(G-MER)
GMVD	(G-MVD)
GTDS	(G-TDS)
GWP	(G-WP)
GWPE	(G-WPE)
KEYD	MSD KEY WEST, FL
LOSMI	MIO LONG BEACH, CA
LISD	PSD NEW LONDON, CT

TABLE 5-1. CODE VALUES FOR VFPS (Continued)

(8) PORT CODES (Continued)
(Historical)

CODE	EXPLANATION
MARD	MSD MARIETTA, OH
MORD	MIDET MORGAN CITY, LA
MHCD	MSD MOREHEAD CITY, NC
MUSCP	COTP MUSKEGON, MI
NASMS	MSO NASHVILLE, TN
NEWCP	COTP NEW ORLEANS, LA
NEWMI	MIO NEW ORLEANS, LA
NHACP	COTP NEW HAVEN, CT
NLOCP	COTP NEW LONDON, CT
PHICP	COTP PHILADELPHIA, PA
PHIMI	MIO PHILADELPHIA, PA
SEAMI	MIO SEATTLE, WA
STBMS	MSO STURGEON BAY, WI
STCD	MSD ST. CROIX, USVI
STPMS	MSO ST. PAUL, MN

(9) CFR PART

CODE/MAP	EXPLANATION
42	TITLE 46, SUBCHAPTER E, PART 42
43	TITLE 46, SUBCHAPTER E, PART 43
44	TITLE 46, SUBCHAPTER E, PART 44
45	TITLE 46, SUBCHAPTER E, PART 45
46	TITLE 46, SUBCHAPTER E, PART 46

(10) VESSEL TYPE

CODE/MAP	EXPLANATION
3CA	CARGO, 1930
3TK	TANKER, 1930
A	TYPE A, 1966
A25	TYPE 2-25%, 1966
ASD	TYPE A, FREEBOARD PENALTY
B	TYPE B, 1966
B25	TYPE B-25%, 1966
B60	TYPE B-60%, 1966
B100	TYPE B-100%, 1966 (ABS CODE B10)
BR	
BSD	TYPE B, FREEBOARD PENALTY

TABLE 5-1. CODE VALUES FOR VFPS (Continued)

(10) VESSEL TYPE (Continued)

```
DRGE        DREDGE
GLC         GREAT LAKES CARGO
GLT         GREAT LAKES TANKER
GSC         GREAT LAKES, SPECIAL SERVICE CARGO, COMBINATION
NEC         NOT ELSEWHERE CLASSIFIED (ABS CODE XXX)
PAS         PASSENGER SHIP
SD          SCANTLING DFT - 1930 CONVENTION
SPE         SPECIAL LOADLINE TYPE
SSC         SPECIAL SERVICE CARGO
SST         SPECIAL SERVICE TANKER
```

(11) ROUTE TYPE

CODE	MAP
CC	COASTWISE
F	INT NAT'L
GG	GREATLAKE

(12) HIGHEST GRADE

CODE	MAP
A	
B	
C	
D	
E	
LFG	
LCG	

(13) UNITS

CODE	MAP	EXPLANATION
B	BBLS	BARRELS
G	GALS	GALLONS
P	LBS	POUNDS
T	TONS	TONS
L	LTON	LONG TONS
M	MTON	METRIC TONS
S	STON	SHORT TONS

C.   Vessel File Design Details -- **VFDD.**

    1. **VFDD** Purpose and Description.

        a. Entry, update and retrieval of a vessel's design
            details and any special design features.

        b. Allows the initiating unit to update or delete any
            special design features.

        c. Maps the Special Design Features paragraph to MICP,
            Marine Inspection Critical Profile.

        d. Maps data to MIPIP, Marine Inspection Pre-Inspection
            Package and to MICIF, Marine Inspection Certificate
            of Inspection Form.

        e. Posts general vessel design information to the Vessel
            File Particulars Summary (VFPS).

        f. Figure 5-2 shows the data definitions for VFDD. See
            Table 5-2 for the code values and Enclosure (1) for
            the abbreviation meanings.

    2. Accessing **VFDD.**

        a. Menu. VFDD is normally accessed through VFEI.

        b. Free-Form. VFDD can be accessed through free-form
            with:

            -VFDD,<E, U or R>,VIN=<vessel identification number>

            where:

            E = entry mode
            U = update mode
            R = retrieval mode
            VIN = vessel identification number

            EXAMPLE:

            -VFDD,E,VIN=L5137949

        c. Selection From Other Products. VFDD may be accessed
            from the Vessel File Particulars Summary (VFPS).

        d. Product Use Authority Levels.
            Retrieval - 1   Entry/Update - 2

5.C.3. **VFDD** Data Entry Requirements and Explanation.

a. General Processing. The user accesses VFDD through
    VFEI or VFPS to enter design details, classification
    society data and special design features information
    concerning particular vessels. VFDD provides four
    (4) lines for classification society data and two
    (2) paragraphs for special design features. The
    design details data entered into VFDD is
    automatically entered into the Design paragraph or
    section of VFPS by MSIS.

    The user may access VFDD in **U(pdate)** mode to make
    corrections or additions to an existing VFDD.
    Again, VFDD provides a total of four (4) lines
    for classification society data and two (2)
    blank Special Design Feature paragraphs. Data
    may be removed from the classification society
    paragraph by blanking out the three data slots
    for the entry; a special design feature may be
    deleted by blanking out the Vessel System and
    Summary slots. However, only the initiating
    unit may update or delete the Special Design
    Features paragraph. When a user requests VFDD
    in update mode, all existing Special Design
    Features paragraphs are locked except those
    with the unit code the same as the user's.
    Changes made to VFDD will automatically be made
    to VFPS by MSIS.

    VFDD may also be accessed in **R(etrieval)** mode through
    VFEI or VFPS to see existing design information
    concerning a particular vessel.

b. Special Processing. None.

```
COMMAND /  _____  RESPONSE/PLS ENTER YOUR RESPONSE_____

VFDD                        VESSEL FILE DESIGN DETAILS                  18JUL86


                                 LAST REVISED:  PORT/ _____ DATE/_____

NAME/ _____  VIN/ _____  CALL/ _____  FLAG/ __


SERVICE.../ _____(1)_____  DESIGN TYPE / _____(2)_____
VESSEL USE/ _____(3)_____  DECK DRAINAGE CLASS/ ___(4)_____
INSP SUBCH/ __(5)


                    --- CLASSIFICATION SOCIETY DATA ---
        --SCOPE--              --SOCIETY--                --CLASS--
        ___(6)___      _____(8)_____      _____NARR_____

        _____      _____      _____
        _____      _____      _____
        _____      _____      _____


                    --- SPECIAL DESIGN FEATURES ---
  1. VESSEL SYSTEM/ _____(7)_____  UNIT/ _____  DATE/ _____


     SUMMARY / _____NARR *_____

              _____


  2. VESSEL SYSTEM/ _____(7)_____  UNIT/ _____  DATE/ _____.


     SUMMARY / _____NARR_____

              _____

        * Note:  Required if the Vessel Summary data slot for that paragraph
                 has an entry.



                    FIGURE 5-2.  DATA DEFINITIONS FOR VFDD
```

TABLE 5-2. CODE VALUES FOR VFDD (continued)

(1) SERVICE - Retrieval only

CODE		MAPPED	EXPLANATION
FISH	-	FISHING BOAT	
FRTB	-	FREIGHT BARGE	
FRTS	-	FREIGHT SHIP	
IND	-	INDUSTRIAL VESSEL	
MODU	-	MODU	
OSV	-	OSV	
OTEC	-	OTEC	
PASS	-	PASSENGER	
PASB	-	PASSENGER BARGE	
PFRT	-	PUBLIC FREIGHT	
PTNK	-	PUB. TANKSHIP/BARGE	
POTH	-	PUBLIC VESSEL,UNC.	
RES	-	RESEARCH VESSEL	
SCOL	-	SCHOOL SHIP	
TNKB	-	TANK BARGE	
TBOD	-	TANK BARGE "OD"	
TBOI	-	TANK BARGE "OI"	
TNKS	-	TANK SHIP	
TOW	-	TOWBOAT/TUGBOAT	
UNC	-	UNCLASSIFIED VESS.	
YCT	-	YACHT	

(2) DESIGN TYPE

CODE		MAPPED	EXPLANATION
ACV	-	AIR CUSHION VEHICLE	
AISL	-	ARTIFICIAL ISLAND	
BRGE	-	BARGE, UNPOWERED	
CAB	-	CAPTURED AIR BUBBLE	
CONV	-	CONVENTIONAL HULL	
DRSH	-	DRILL SHIP	
HYD	-	HYDROFOIL	
ITB	-	INT TUG-BARGE	
JUBH	-	JACK-UP BARGE HULL	
JUSS	-	JACK-UP SHIP SHAPE	
MHD	-	MULTIPLE HULL DISP.	
SSUB	-	SEMISUBMERSIBLE RIG	
SUB	-	SUBMERSIBLE	
SUBM	-	SUBMARINE	
TLEG	-	TENSION LEG RIG	
UNC	-	UNCLASSIFIED	

TABLE 5-2. CODE VALUES FOR VFDD (continued)

(3)   VESSEL USE

CODE		MAPPED	EXPLANATION
ATTV	-	ATTRACTION VESSEL	
BBLK	-	BREAK BULK	
CHEM	-	BULK LIQUID CHEMS	
OIL	-	BULK OIL/PRODUCTS	
BSOL	-	BULK SOLIDS	
CABL	-	CABLE LAYER	
CARC	-	CAR CARRIER	
COMB	-	COMBINATION	
CONT	-	CONTAINER	
CC	-	CRUDE CARRIER	
DRGE	-	DREDGE	
DRIL	-	DRILL UNIT	
ENER	-	ENERGY GEN/CONV	
FERY	-	FERRY BOAT	
DRAG	-	FISHING DREDGE	
FISHG	-	FISHING GENERAL	
BTSF	-	FISH/BOTTOM SHELL	
HOOK	-	FISH/HOOK & LINE	
PURS	-	FISH/PURSE SEINER	
TRAP	-	FISH/TRAPS & POTS	
TRLR	-	FISH/TRAWLER	
FRTB	-	FREIGHT BARGE	
GAS	-	GAS CARRIER	
GSCM	-	GASCHEMICAL	
HDCR	-	HARBOR/DINNER CRUISE	
INCN	-	INCINERATOR	
INCR	-	INLAND CRUISE	
LASH	-	LASH	
LIFT	-	LIFT BOAT	
MODU	-	MOBILE DRILL UNIT	
NEO	-	NEO BULK	
NA	-	NOT APPLICABLE	
OCCR	-	OCEAN CRUISE	
OSV	-	OFFSHORE SUPPLY	
DWP	-	OFFSHORE TRANSFER	
OP	-	OIL PRODUCTS	
OR	-	OIL RECOVERY	
OBO	-	ORE-BULK OIL	
HEAD	-	PARTY FISHING	
PASS	-	PASSENGER O/B	
PLEZ	-	PLEASURE	
PRSNB	-	PRISON BARGE	
PROC	-	PROCESS FACILITY	
PC	-	PRODUCT CARRIER	
PROD	-	PRODUCTION PLATFORM	
PTNK	-	PUBLIC TANKSHIP/BARGE	
RORO	-	ROLL ON, ROLL OFF	
SASCH	-	SAILING SCHOOL	
STBY	-	STANDBYBOAT	

TABLE 5-2. CODE VALUES FOR VFDD (continued)

(3) VESSEL USE, continued:

CODE		MAPPED	EXPLANATION
TNKB	-	TANK BARGE	
TBOD	-	TANK BARGE "OD"	
TBOI	-	TANK BARGE "OI"	
OTEC	-	THERMAL ENERGY CONV	
TOW	-	TOWING	
UNC	-	UNCLASSIFIED	
TAXI	-	WATER TAXI	
WORK	-	WORK PLATFORM-GEN'L	

(4) DECK DRAINAGE CLASS

CODE		MAPPED	EXPLANATION
CP	-	COCKPIT	
FD	-	FLUSH DECK	
NC	-	NEC	
WD	-	WELL DECK	

(5) INSPECTION SUBCHAPTER

CODE		MAPPED	EXPLANATION
D	-	D	TANK VESSELS
H	-	H	PASSENGER VESSELS
I	-	I	CARGO & MISC VESSELS
IA	-	IA	MOBILE OFFSHORE DRILLING UNITS
N	-	N	DANGEROUS CARGOES(DRY BULK)
O	-	O	BULK DANGEROUS CARGOES
OD	-	OD	COMBINATION OF O & D
OI	-	OI	COMBINATION OF O & I
R	-	R	NAUTICAL SCHOOLS
T	-	T	SMALL PAX VESSELS
U	-	U	OCEANOGRAPHIC VESSELS

(6) CLASSIFICATION SCOPE

CODE		MAPPED	EXPLANATION
A	-	AUTOMATION	
H	-	HULL	
M	-	MACHINERY	
R	-	REFRIG	

TABLE 5-2. CODE VALUES FOR VFDD (continued)

(7) VESSEL SYSTEM

CODE		MAPPED	EXPLANATION
BS	-	BALLAST	
BA	-	BOILERS, AUX	
BM	-	BOILER, MAIN	
CS	-	CARGO	
ES	-	ELECTRICAL	
FF	-	FIRE FIGHTING	
DM	-	DECK MACHINERY	
DL	-	DOCS, LIC, PRMITS	
HA	-	HABITATION	
HS	-	HULL	
LS	-	LIFESAVING	
NS	-	NAVIGATION	
PP	-	PROPULSION	
SS	-	STEERING	
NC	-	SYSTEM NEC.	

(8) CLASSIFICATION SOCIETY

CODE		MAPPED	EXPLANATION
ABS	-	AMERICAN BUREAU OF SHIPPING	
BV	-	BUREAU VERITAS	
CHR	-	CHINESE REGISTER OF SHIPPING	
DNV	-	DET NORSKE VERITAS	
GL	-	GERMANISCHER LLOYD	
HRS	-	HELLENIC REGISTER OF SHIPPING	
IRS	-	INDIAN REGISTER OF SHIPPING	
KRS	-	KOREAN REGISTER OF SHIPPING	
LR	-	LLOYD'S REGISTER OF SHIPPING	
NKK	-	NIPPON KAIJI KYOKAI	
PBS	-	PANAMA BUREAU OF SHIPPING	
PRS	-	POLSKI REJESTR STATKOW	
RS	-	REGISTER OF USSR	
RE	-	REGISTRO ESPAGNOL	
RINA	-	REGISTRO ITALIANO NAVALE	
RNR	-	ROMANIAN REGISTER OF SHIPPING	
SBG	-	SEE-BERUFSGENOSSENSCHAFT	
TR	-	TURKISH REGISTER OF SHIPPING	
YRS	-	YUGOSLAV REGISTER OF SHIPPING	

D. Vessel File List of Documents -- **VFLD.**

  1. **VFLD** Purpose and Description.

    a. Allows you to enter, update, retrieve, and delete
        detailed information about the issuance and status of
        all of a vessel's relevant safety and regulatory
        documents.

    b. Lists current and historical documents and adds blank
        lines for five (5) new entries in entry and update
        modes.

    c. Locks the Certificate of Inspection (COI) and
        Certificate of Documentation (COD) information from
        entry or update.

    d. Locks the Certificate of Compliance (COC) information
        from entry or update only when an open MIAR (Marine
        Inspection Activity Report) case exists for the
        vessel.

    e. Maps the document list to MISS (Marine Inspection
        Status Summary).

    f. Maps the document list for COD to VDSS (Vessel
        Document Status Summary).

    g. Maps information to MIPIP (Marine Inspection Pre-
        Inspection Package).

    h. Controls the printing of the COI, COD, and COC forms.

    i. Figure 5-3 shows the data definitions for VFLD. See
        Table 5-3 or the code values and Enclosure (1) for
        the abbreviation meanings.

  2. Accessing **VFLD.**

    a. Menu. VFLD is normally accessed through VFEI (Vessel
        File Entry Index).

    b. Free-Form. VFLD can be accessed through free-form
        with:

        -VFLD,<E, U, or R),VIN=<Vessel Identification Number>

        where:

        E = entry mode
        U = update mode
        R = retrieval mode
        VIN = Vessel Identification Number.

5.D.2. b.(Cont'd) EXAMPLE:

    -VFLD,U,VIN=CG000135

c. Selection From Other Products. VFLD can be accessed
    from MISS.

d. Product Use Authority Levels.
    Retrieval - 1   Entry/Update - 2

3. **VFLD** Data Entry Requirements and Explanation.

a. General Processing.

(1) Entry Mode.

(a) VFLD is normally accessed through VFEI, or
     through free-forming, using the VIN. VFLD
     new entries. You may enter all the
     appropriate information about each new
     document type as it pertains to the
     particular vessel, including identification
     number, agency, port, date, expiration
     date, and current status.

(2) Update Mode.

(a) VFLD may be accessed to modify the document
     list for any vessel. MSIS lists the
     documents and associated information currently
     on file and gives you five (5) blank
     lines to enter any new documents up to a
     total of forty (40) documents. You may
     delete a current document by blanking out
     the line, add a new document by entering
     all appropriate information, or change
     existing information by "typing over" the
     old data. Exceptions to this are entries
     for a COI, COD, or COC.

(b) VFLD locks the entire data line for a COI
     or COD to prevent any changes to data for
     an inspected or documented vessel,
     respectively. VFLD also locks the entire
     data line for a COC when the Identification
     Number or Current Status is an MI case
     number because this indicates that an open
     MIAR (Marine Inspection Activity Report)
     case exists.

5.D.3. a. (2) (c) Information for COI or COC is automatically updated by MIAR, and COD information is automatically updated by VDAR (Vessel Documentation Activity Report), and VDDR (Vessel Documentation Document Renewal).

(d) When you enter data for a COI or COC via MIAR, the data slots are mapped and locked to all users. The case number appears in the Status data slot when the case is opened. The data from the previous case affecting the document's status is not changed until the new case is validated. At that time, the Status slot is rewritten with VALID and the new case number replaces the previous case number. If the new case is Closed to File or the document's action has changed prior to validation, all data elements are restored to their original values.

(e) VFLD proceses the COD like the COI and COC. If the associated VDAR is Closed to File, all data elements are restored to their original values.

(3) Retrieval Mode.

(a) VFLD allows you to view and retrieve a list of all documents currently on file concerning a particular vessel.

b. Special Processing. None.

```
COMMAND/ _____  RESPONSE/ MSIS   NEXT ON QUEUE
VFLD                    VESSEL FILE LIST OF DOCUMENTS                    06MAR91

                                  LAST REVISED: PORT/ _____ DATE/ _____

NAME/ _____  VIN/ _____ CALL/ _____ FLAG/ ___

                   --- SAFETY/REGULATORY DOCUMENTS ---
                              IDENT.    -----ISSUE DATA-----   EXPIRE    CURRENT
                              NUMBER    AGENCY PORT    DATE      DATE     STATUS
        DOCUMENT KIND          NARR      NARR  ____    CD        CD        (2)
    _____(1)_____  _____  _____ _____ _____  _____  _____

    _____  _____  _____ _____ _____  _____  _____
    _____  _____  _____ _____ _____  _____  _____
```

NOTE: WHEN AN ENTRY IS MADE BY MIAR FOR COI OR COC, THE DATA
            SLOTS ON THAT LINE ARE MAPPED AND LOCKED.

            WHEN AN ENTRY IS MADE BY VDAR FOR COD, THE DATA SLOTS
            ON THAT LINE ARE MAPPED AND LOCKED.

FIGURE 5-3. DATA DEFINITIONS FOR VFLD

TABLE 5-3. CODE VALUES DEFINITIONS FOR VFLD

(1) DOCUMENT KIND

CODE		**MAPPED**	**EXPLANATION**
CGR	-	CARGO GEAR CERT	
COC	-	CERTIFICATE OF COMPLIANCE	
COI	-	CERTIFICATE OF INSPECTION	
CLS	-	CLASSIFICATION DOCUMENT	
CVR	-	CONTROL VERIFICATION	
COW	-	COW/CBT/SBT ACCEPTANCE Crude Oil Wash/Cargo Ballast Tank Segregated Ballast Tank Acceptance	
DC	-	DOCUMENTATION CERTIFiCATECertificate of Documentation	
FCE	-	FOREIGN INSPECTION CERT	
IGS	-	IGS ACCEPTANCE Inert Gas System Acceptance	
IFC	-	IMO FITNESS CERT-CHEMICAL	
IFG	-	IMO FITNESS CERT-LIQ GAS	
IMC	-	IMO MODU CODE CERTIFICATE	
IOP	-	INT'L OIL POLL PREVENTION	
ITC	-	INT'L TONNAGE CERTIFICATE	
LOC	-	LETTER OF COMPLIANCE	
LLN	-	LOADLINE CERT	
NLS	-	NLS CERTIFICATE Issued with MARPOL exam	
ORV	-	OCEANOGRAPHIC RESRCH VESL	
ORE	-	ORE CONCENTRATES	
105	-	PART 105 COMPLIANCE LETTR	
PFE	-	PASS-FREIGHT EXAM LETTER	
PAS	-	PASS SHIP SAFETY CERT	
PPC	-	POLLUTION PREVENTION COMP	
SLC	-	SAFETY CONSTRUCTION CERT	
SCS	-	SAFETY CONST CERT SUPPLMT	
SLE	-	SAFETY EQUIPMENT CERT	
SES	-	SAFETY EQUIP CERT SUPPLMT	
SLX	-	SAFETY EXEMPTION	
SLR	-	SAFETY RADIO TELEGRAPH	
SLT	-	SAFETY RADIO TELEPHONE	
SOE	-	SUBCHAPTER O ENDORSEMENT	
TVE	-	TANK VESSEL EXAM LETTER	
CAR	-	VEHICLES WITH FUEL	
VRP	-	VESSEL RESPONSE PLAN	

(2) DOCUMENT STATUS

CODE		**MAPPED**	**EXPLANATION**
A	-	AMENDED	Conditions have been modified.
D	-	DEACTIVATED	Vessel has been removed from service
E	-	EXPIRED	Document was not renewed or reissued

TABLE 5-3. CODE VALUES DEFINITIONS FOR VFLD

(3)   DOCUMENT STATUS, (continued)

CODE		MAPPED	EXPLANATION
R	–	ENDORSED date	Extension of document expiration
C	–	IN PROCESS	An Activity case was filed.
T	–	INST	
P	–	INST, INSP	
I	–	INVALIDATED	A valid document has canceled.
N	–	NO ACTION	
O	–	ON DEPOSIT	Being held by agency, not usable
S	–	SUSPENDED	Document valid, but usable.
V	–	VALID	
W	–	WITHDRAWN	

E. Vessel File Measurement Details -- **VFMD**.

   1. **VFMD** Purpose and Description.

      a. Entry, update, and retrieval of detailed information
          about a vessel's registered and technical (design)
          [001469'm

      b. Locks all registered and optional measures if the
          vessel is documented.

      c. Allows a history of design measures to be built by
          keeping the old records in a "history" file.

      d. Posts registered measures to the vessel particulars
          summary (VFPS).

      e. Locks all registered and optional measures slots for
          a documented vessel. This information must be
          entered on VDER (Vessel Documentation Element
          Record).

      f. Maps data to MIPIP, Marine Inspection Pre-Inspection
          Package and to MICIF, Marine Inspection Certificate
          of Inspection Form.

      g. Figure 5-4 shows the data definitions for VFMD. See
          Enclosure (1) for the abbreviation meanings.

   2. Accessing **VFMD**.

      a. Menu. VFMD is normally accessed through VFEI.

      b. Free-Form. VFMD can be accessed through free-form
          with:

          -VFMD,<E, U or R>,VIN=<vessel identification number>

          where:

          E = entry mode
          U = update mode
          R = retrieval mode
          VIN = vessel identification number

          EXAMPLE:

          -VFMD,R,VIN=L7621968

      c. Selection From Other Products. VFMD may be accessed
          from the Vessel File Particulars Summary (VFPS).

      d. Product Use Authority Levels.

          Retrieval - 1   Entry/Update - 2

5.E.3. **VFMD** Data Entry Requirements and Explanation.

    a. General Processing.

        (1) Access VFMD through VFEI or VFPS to enter a particular vessel's registered and technical measurements. Data entered into VFMD is automatically entered into the Measures section of VFPS by MSIS.

        (2) You may access VFMD in update mode to make corrections or additions to an existing VFMD. If you request VFMD in entry mode and information already exists, MSIS automatically switches you to update mode. Changes made to VFMD are automatically made on VFPS.

        (3) During the update process, MSIS moves existing measurement information to an historical record, if you so indicate by entering **"Y"** in the HISTORY(Y/N)? slot. These records are important for following the historical development of measurement information for a particular vessel.

        (4) For documented vessels, VDER (Vessel Documentation Element Record) controls the data on VFMD for registered and optional measures. When this data is entered on VDER, the new or changed data is displayed immediately on VFMD. However, if the associated vessel documentation case (VDAR) is subsequently closed to file, VDER and VFMD are restored to their original values, including last revised date and port, effective date, and historical entries.

        (5) VFMD may also be accessed in retrieval mode through VFEI or VFPS to see current measurement data concerning a particular vessel. The historical record(s) may be displayed by entering HISTORY in the Command line.

    b. Special Processing. VFMD is locked to any update when VDER is being modified for a documented vessel. You receive the message "VDER Being Updated - VFMD Locked" while the documentation case is open.

```
COMMAND / _____RESPONSE/PLS ENTER YOUR RESPONSE
VFMD                    VESSEL FILE MEASUREMENT DETAILS              03SEP91

                                LAST REVISED: PORT/ SEAMS  DATE/ 12AUG91

NAME/ CHERRY COKE                       VIN/ D000226   CALL/       FLAG/ US

                        --- REGISTERED MEASURES ---
TONNAGES......:   GROSS./  I       ITC GROSS../   I      DUAL GROSS../   I
BY..../ FORMULA  NET.../  I        ITC NET..../   I      DUAL NET..../   I
DIMENSIONS US :  LENGTH/  D        BREADTH..../   D      DEPTH......./   D
          ITC:   LENGTH/  D        BREADTH..../   D      DEPTH......./   D

                        --- REGULATORY MEASURES ---
                 LOA.../  D        DEADWEIGHT /   I     DISPLACEMENT/   D

                        --- OPTIONAL MEASURES ---
DECKHOUSE     :  LENGTH/  D        BREADTH..../   D      DEPTH......./   D
CATAMARAN     :  LENGTH/  D        BREADTH..../   D      DEPTH......./   D
TRIMARAN-MAIN :  LENGTH/  D        BREADTH..../   D      DEPTH......./   D
    -OUTBOARD :  LENGTH/  D        BREADTH..../   D      DEPTH......./   D

EFFECTIVE DATE........../  CD    NUM HIST RECS/   0      HISTORY? (Y/N).../ Y

                        --- DESIGN MEASURES ---
LBP................./    D      MOULD DEPTH../  D    DESIGN DRAFT...../    D
DSN WATER LINE LEN../    D      MOULD BREADTH/  D    TPI-DESIGN DRAFT /    D
MIDSHIP SECTION MOD./    D                          MTI-DESIGN DRAFT /    D
STILL WATER BEND MOM/    D
```

FIGURE 5-4. DATA DEFINITIONS FOR VFMD

F. Vessel File Operating Details -- **VFOD.**

1. **VFOD** Purpose and Description.

    a. Entry, update, and retrieval of detailed information
        about a vessel's manning requirements, authorized
        routing, and conditions of operation.

    b. Allows a history of all manning requirements to be
        built by keeping the old information in a "history"
        record.

    c. Posts a vessel's limited route and the number of
        people aboard to its particulars summary (VFPS).

    d. Maps data to MIPIP, Marine Inspection Pre-Inspection
        Package and to MICIF, Marine Inspection Certificate
        of Inspection Form.

    e. Figure 5-5 shows the data definitions for VFOD. See
        Table 5-4 for the code values and Enclosure (1) for
        the abbreviation meanings.

2. Accessing **VFOD.**

    a. Menu. VFOD is normally accessed through VFEI.

    b. Free-Form. VFOD can be accessed through free-form
        with:

        -VFOD,<E, U or R>,VIN=<vessel identification number>

        where:

        E = entry mode
        U = update mode
        R = retrieval mode
        VIN = vessel identification number

        EXAMPLE:

        -VFOD,R,VIN=L6726620

    c. Selection From Other Products. VFOD may be accessed
        from VFPS.

    d. Product Use Authority Levels.

        Retrieval - 1   Entry/Update - 2

5.F.3. **VFOD** Data Entry Requirements and Explanation.

    a. General Processing.

        (1) Access VFOD through VFEI or VFPS to enter detailed information about a vessel's manning requirements and routing. The general operating information entered into VFOD is automatically entered into the Operations section of VFPS and to the COI. The narrative paragraph for Route Permitted and Conditions of Operation is fixed at eighty-five (85) lines. VFOD automatically marks the eighteenth (18) line of this paragraph in boldface type. This line and all lines above it fit on the first page of the COI. The lines following the bolded line appear on the second page of the COI.

        (2) You may access VFOD in update mode (through VFEI or VFPS) to make corrections or additions to an existing VFOD. The Route Permitted and Conditions of Operation paragraph displays a total of eighty-five (85) lines; lines containing data are displayed first and then blank lines are added to total eighty-five lines. Changes made to VFOD are automatically made to VFPS. Also during the update process, MSIS moves existing manning requirements information to an historical record, if you so indicate by entering **"Y"** in the HISTORY(Y/N)? slot. (An **"N"** causes the current data to be overwritten by the new data you entered.) These records are important for following the historical development of manning requirements for a particular vessel.

        (3. VFOD may also be accessed in retrieval mode through VFEI or VFPS to see current manning requirements and temporary operating restrictions/authority concerning a particular vessel. The historical record(s) may be displayed by entering **HISTORY** in the Command line.

        (4) **Please Note:** The following slots do not appear on the COI: MINIMUM CREW and ROUTE CODE. All other slots' information will appear on the COI.

    b. Special Processing. None.

```
COMMAND / _____RESPONSE/KEY "HISTORY" TO VIEW HISTORY
VFOD                     VESSEL FILE OPERATING DETAILS                   08AUG91

                                   LAST REVISED: PORT/ MEMMS  DATE/ 02AUG91

NAME/ HOLLYWOOD CHEM JIM                 VIN/ CG000135  CALL/ JRW45    FLAG/ US

ROUTE CODE / (1)*      MINIMUM CREW / _I_     OTHER PERSONS IN CREW....../ I
MAX PERSONS/ _I_       PASSENGERS.../ _I_     PERSONS IN ADDITION TO CREW/ I
AND/ ___LIT_____

                         --- MANNING REQUIREMENTS ---
MASTER............./ I       RADIO OFFICER.../ I      CHIEF ENGINEER......./ I
CHIEF MATE........./ I       _LIT_ OPERATOR./ I       FIRST ASST. ENGINEER./ I
SECOND MATE......../ I       ABLE SEAMEN...../ I       SECOND ASST. ENGINEER/ I
_LIT_ MATE......../ I        ORDINARY SEAMEN./ I       _LIT_ ENGINEERS...../ I
MASTER & 1ST PILOT./ I       DECKHANDS......./ I       FIREMAN-WATERTENDERS./ I
_LIT_ CLASS PILOT./ I        ___LIT____..../ I         OILERS.............../ I
OTHER REQUIRED CREW/ _I DESCRIBE/ ___LIT_____
CAPABILITIES REQUIRED IN CREW:  CERT. LIFEBOATMEN/ _I     CERT. TANKERMEN/ I
EFFECTIVE DATE...../ ___CD___   NUM HIST RECS..../   0

          --- ROUTE PERMITTED AND CONDITIONS OF OPERATION ---
     _NARR_____
     _____
     _____
     _____
     _____
     _____
     _____
     _____
     _____
     _____
     _____
     _____
```

* Slot must be filled in on initial entry.

FIGURE 5-5.   DATA DEFINITIONS FOR VFOD

TABLE 5-4. CODE VALUES FOR VFOD

(1) ROUTE CODE

CODE/MAP	EXPLANATION
CC	COASTWISE
CG	COASTWISE AND GREAT LAKES
GG	GREAT LAKES
LL	LAKES, BAYS, SOUNDS
LC	LAKES, BAYS, SOUNDS + COASTWISE (LIMITED)
LG	LAKES, BAYS, SOUNDS + GREAT LAKES (LIMITED)
NA	NOT APPLICABLE
OO	OCEANS
RR	RIVERS
RG	RIVERS AND GREAT LAKES (LIMITED)

G. Vessel File Stability/Loadline Details -- **VFSL**.

    1. **VFSL** Purpose and Description.

        a. Entry, update, and retrieval of detailed information
about a vessel's intact and damage stability analyses,
stability book or letter, and light ship characteristics,
test, and modification.

        b. Posts general stability and loadline data to the
vessel's VFPS.

        c. Maps data to MIPIP, Marine Inspection Pre-Inspection
Package and MICOI, Marine Inspection Certificate of
Inspection Form and the proxy image (MICOI)

        d. Figure 5-6 shows the data definitions for VFSL. See
Table 5-5 for the code values and Enclosure (1) for
the abbreviation meanings.

    2. Accessing **VFSL**.

        a. Menu. VFSL is normally accessed through VFEI.

        b. Free-Form. VFSL can be accessed through free-form
with:

            -VFSL,<E, U or R>,VIN=<vessel identification number>

            where:

            E = entry mode
            U = update mode
            R = retrieval mode
            VIN = vessel identification number

            EXAMPLE:

            -VFSL,U,VIN=L5137949

        c. Selection From Other Products. VFSL may be accessed
from VFPS.

        d. Product Use Authority Levels.

            Retrieval - 1   Entry/Update - 2

    3. **VFSL** Data Entry Requirements and Explanation.

        a. General Processing.

            (1) Access VFSL through VFEI or VFPS to enter
stability and loadline information concerning a
particular vessel. If stability/loadllne

5.G.3. a. (1)(Cont'd) summary data exists on VFPS, this summary
                data is mapped to VFSL. Based on this existing
                data, either the stability book or stability
                letter paragraph is filled in with the approval
                date and office as appropriate. These slots are
                left open to allow you to modify them, if
                desired. Data entered into VFSL is
                automatically entered into the Stability/
                Loadline section of VFPS by MSIS.

            (2) You may access VFSL in update mode to make
                corrections or additions to an existing VFSL. A
                new single Light Ship data modification paragraph
                is created each time VFSL is accessed in
                update mode, until the maximum screen image is
                reached. MSIS fills in the APPROVAL OFFICE and
                DATE slots, though you may modify these slots.
                You may modify or delete a Light Ship Data
                modification paragraph only if you are from the
                initiating port. When someone from another port
                requests VFSL in update mode, VFSL locks all
                existing Light Ship data modification paragraphs,
                except those with the unit code the same
                as the user's or "ABS". You may delete a Light
                Ship data modification paragraph by blanking out
                all data slots. Changes made to VFSL are
                automatically made to VFPS.

            (3) **Please Note:** Some data must be entered in the
                Light Ship Test paragraph before VFSL accepts a
                modification to the Light Ship data. This
                information may be entered at the same time.

            (4) VFSL may also be accessed in retrieval mode
                through VFEI or VFPS to see existing stability
                and loadline information concerning a particular
                vessel.

        b. Special Processing. None.

```
COMMAND / _____RESPONSE/MSIS  NEXT ON QUEUE
VFSL               VESSEL FILE STABILITY/LOADLINE DETAILS              08AUG91

                                  LAST REVISED: PORT/ _____   DATE/ _____

NAME/_____ VIN/ CG000135  CALL/ _____    FLAG/ __

STABILITY DOC: LETTER/ X  BOOK/ X  STATUS/ (1)_ APP DATE/ __CD__  OFFICE/ _PORT_
LOADLINE REG : CFR PART/(3) VESS TYPE/ (4)_ ROUTE TYPE/ ___(5)____ FREEBD/ _D__

                    --- INTACT STABILITY ANALYSIS ---
ANALYSIS TYPE/ ___(6)____  ___(6)____  ___(6)____  ___(6)____  ___(6)____
GM REQUIRED../ _D_     RE REQUIRED / _D__    FREE SURF CORRECTION/ _D__
GM AVAILABLE / _D_     RE AVAILABLE/ _D__    DOWNFLOODING ANGLE../ _I_

                    --- DAMAGE STABILITY ANALYSIS ---
ANALYSIS TYPE/ (7)_     DAMAGE CRITERIA/ ___(8)_____
DAMAGE COND/ ___LIT_____

FINAL ANGLE OF HEEL/ _I_  FINAL TRIM/ _D__  DRAFT FWD/ _D__  DRAFT AFT/ _D__
RESIDUAL RIGHTING ENERGY/ _D__

                    --- STABILITY LETTER ---
ANALYSIS OFFICE/ _(2)_     DATE APPROVED/ __CD___  DATE ISSUED/ __CD___
                    --- CONDITIONS ---
    _NARR_____
    _____

                    --- LIGHT SHIP CHARACTERISTICS ---
DETERMINING METHOD/ ___(9)_____ REF VESSEL VIN/ ___VIN__
LIGHT SHIP DISPLACEMENT/ __I___  VERTICAL CG/ _D__ LONGITUDINAL CG/ _D__

                    --- LIGHT SHIP TEST ---
DATE/ __CD___ PLACE/ ___LIT_____ APP OFFICE/ _(2)_ DATE/ ___CD___

                    --- MODIFICATIONS TO LIGHT SHIP DATA ---
1. CASE REF..../ __CD_____          APPROVAL OFFICE/ _(2)_ DATE/ __CD___
   WEIGHT ADDED/ __I__ WEIGHT REMOVED/ __I__ VERT CG/ __D__ LONG CG/ _D__
   REMARKS/ ___NARR_____
   _____


            FIGURE 5-6.  DATA DEFINITIONS FOR VFSL
```

TABLE 5-5. CODE VALUES FOR VFSL

(1) STABILITY DOCUMENT STATUS

CODE		MAPPED	EXPLANATION
PERM	–	PERM	PERMANENT
TEMP	–	TEMP	TEMPORARY

(3) CFR PART

CODE		MAPPED	EXPLANATION
42	–	42	TITLE 46, SUBCHAPTER E, PART 42
43	–	43	TITLE 46, SUBCHAPTER E, PART 43
44	–	44	TITLE 46, SUBCHAPTER E, PART 44
45	–	45	TITLE 46, SUBCHAPTER E, PART 45
46	–	46	TITLE 46, SUBCHAPTER E, PART 46

(4) VESSEL TYPE

CODE		MAPPED	EXPLANATION
3CA	–	3CA	CARGO, 1930
3TK	–	3TK	TANKER, 1930
A	–	A	TYPE A, 1966
A25	–	A25	TYPE A-25%, 1966
ASD	–	ASD	TYPE A, FREEBOARD PENALTY
B	–	B	TPYE B, 1966
B25	–	B25	TYPE B-25%, 1966
B60	–	B60	TYPE B-60%, 1966
B100 BR	–	B100	TYPE B-100%, 1966 (ABS CODE B10)
BSD	–	BSD	TYPE B, FREEBOARD PENALTY
DRGE	–	DRGE	DREDGE
GLC	–	GLC	GREAT LAKES CARGO
GLT	–	GLT	GREAT LAKES TANKER
GSC	–	GSC	GREAT LAKES/SPECIAL SERVICE CARGO, COMBINATION
NEC	–	NEC	NOT ELSEWHERE CLASSIFIED (ABS CODE XXX)
PAS	–	PAS	PASSENGER SHIP
SD	–	SD	SCANTLING DFT – 1930 CONVENTION
SPE	–	SPE	SPECIAL LOADLINE TYPE
SSC	–	SSC	SPECIAL SERVICE CARGO
SST	–	SST	SPECIAL SERVICE TANKER

TABLE 5-5. CODE VALUES FOR VFSL (continued):

(5) ROUTE TYPE

CODE		MAPPED	EXPLANATION
CC	-	COASTWISE	
F	-	INT NAT'L	
GG	-	GREATLAKE	

(6) INTACT STABILITY ANALYSIS TYPE

CODE		MAPPED	EXPLANATION
FSUR	-	FREE SURF	
MMOM	-	MECH MOM	
OTH	-	OTHER	
PHEL	-	PASS HEEL	
RARM	-	RIGHT ARM	
RMOM	-	RIGHT MOM	
SPEC	-	SPECIAL	
TOWL	-	TOWLINE	
WHEL	-	WIND HEEL	

(7) DAMAGE STABILITY ANALYSIS TYPE

CODE		MAPPED	EXPLANATION
CHEM	-	CHEM	CHEMICAL SHIP
DRGE	-	DRGE	DREDGE
GAS	-	GAS	GAS CARRIER
LL	-	LL	LOADLINE
MODU	-	MODU	MOBILE OFFSHORE DRILLING UNIT
PASS	-	PASS	PASSENGER OR EQUIVALENT
POLL	-	POLL	POLLUTION PREVENTION

(8) DAMAGE CRITERIA

CODE		MAPPED	EXPLANATION
COMP	-	COMPARTMENT STD	
DLEN	-	DAMAGE LENGTH	
FLEN	-	FLOOD LENGTH	
FLCS	-	FLOOD LEN + COMP STD	
FLDL	-	FLOOD LEN + DAMAGE LEN	
OTH	-	OTHER	

TABLE 5-5. CODE VALUES FOR VFSL (continued):

(9) LIGHTSHIP CHARACTERISTICS DETERMINING METHOD

CODE		**MAPPED**	**EXPLANATION**
CLS	-	CLASS-SISTER SHIP INCL	
EST	-	CONSERVATIVE ESTIMATE	
DWT	-	DWT SURVEY-OTH VES INCL	
INC	-	INCLINE EXPERIMENT	
OTH	-	OTHER	
TST	-	PROOF TEST	

H. Vessel File Construction Details -- **VFCD.**

1. **VFCD** Purpose and Description.

    a. Permits the recording of important dates associated
        with the construction of a vessel, including those
        dates needed for determining the laws and regulations
        which apply to that vessel.

    b. Posts general construction information to the vessel's
        VFPS, Vessel File Particulars Summary.

    c. Receives Yard Built, Place Built, Completion Year and
        Hull Number data from VDER (Vessel Documentation
        Element Record) for documented vessels. These slots
        are locked on VFCD.

    d. Maps data to MIPIP, Marine Inspection Pre-Inspection
        Package and to the COI, COC and COD.

    e. Figure 5-7 shows the data definitions for VFCD. See
        Table 5-6 for the code values and Enclosure (1) for
        the abbreviation meanings.

2. Accessing **VFCD.**

    a. Menu. VFCD is normally accessed through VFEI.

    b. Free-Form. VFCD can be accessed through free-form
        with:

        -VFCD,<E, U or R>,VIN=<vessel identification number>

        where:

        E = entry
        U = update mode
        R = retrieval mode
        VIN = vessel identification number

        EXAMPLE:

        -VFCD,E,VIN=CG000156

    c. Selection From Other Products. VFCD may be accessed
        from VFPS.

    d. Product use Authority Levels.

        Retrieval - 1   Entry/Update - 2

5.H.3.   **VFCD** Data Entry Requirements and Explanation.

    a.   General Processing.

        (1)   Access VFCD through VFEI or VFPS to enter construction information concerning a particular vessel. If construction summary data exists on VFPS, this summary data is mapped to VFCD. These slots are left open to allow you to modify them, if desired. Data entered on VFCD is automatically entered into the Construction section of VFPS by MSIS.

        (2)   For documented vessels, only VDER (Vessel Documentation Element Record) may be used to enter Yard Built, Place Built, Completion Year, and Hull Number information. When this data is entered on VDER, the new or changed data is displayed immediately on VFCD. However, if the associated vessel documentation case (VDAR) is subsequently closed to file, VDER and VFCD are restored to their original values, including last revised date and port.

        (3)   You may access VFCD in update mode to make corrections or additions to an existing VFCD. VFCD creates a blank Rebuild/Reflag/Conversion section each time it is requested in entry or update mode. MSIS automatically fills in the Port slot with your login port, but allows you to modify the port. You may modify or delete an existing Rebuild/Reflag/Conversion section only if you are from the initiating port. Delete this set of data by blanking out all data slots, if the vessel is not documented. For documented vessels, you must blank out the Place Rebuilt slot on VDER (Vessel Documentation Element Record) before you can delete the data on VFCD.

        (4)   You may access VFCD in retrieval mode through VFEI or VFPS to see existing construction information concerning a particular vessel.

        (5)   **Please Note:** The Build Date is a locked slot. It displays the same date as the Initial Construction Delivery Date unless the vessel has been rebuilt. Then, the Build Date is the most recent Completion Date found in a Rebuild/Reflag/Conversion section for an Activity of REBUILD.

    b.   Special Processing. None.

```
COMMAND / _____RESPONSE/PLS ENTER YOUR RESPONSE
VFCD                    VESSEL FILE CONSTRUCTION DETAILS              21MAY91

                              LAST REVISED: PORT/ NEWMS   DATE/ 08AUG90

NAME/ HOLLYWOOD CHEM JIM                 VIN/ CG000135  CALL/ JRW45    FLAG/ US

                         --- INITIAL CONSTRUCTION ---
CONTRACT DATE / __CD__    KEEL LAYING DATE/ __CD__    DELIVERY DATE /__CD__
INIT CERT DATE/ __CD__    BUILD YEAR....../ 1954      BUILD DATE.../ __CD__
RBS HULL NUM../ ___LIT_____          HULL NUM/ __LIT_____
LOCATION OF PRINCIPLE PLAN REVIEW/ _NARR_          PRIS..../ __LIT____
YARD BUILT / ___LIT_____
PLACE BUILT/ ___LIT_____   COUNTRY../ ___
            _____                  __
            _____                  __


                  --- REBUILD/REFLAG/CONVERSION ---

ACTIVITY:   REBUILD/ X   REFLAG/ X   CONVERSION/ X
CONTRACT DATE../ __CD__     WORK START DATE/ __CD___   COMPLETION DATE/ __CD___
YARD REBUILT / ___LIT_____   INSP CASE NUM/ ___CN_____ PORT/ NYCMS
PLACE REBUILT/ ___LIT_____  COUNTRY/ ___
SUMMARY....../ ___NARR_____
            _____
```

FIGURE 5-7. DATA DEFINITIONS FOR VFCD

CHAPTER 6. VESSEL SYSTEMS

A. General. The Vessel File product set contains a group of products which describe a vessel's systems, both in summary form and in detail. The Vessel File Systems Summary (VFSS) summarizes a variety of systems data for a vessel. The details of this system are maintained by Vessel File:

1. Boiler Details (VFBD)

2. Pressure Vessel Details (VFPV)

3. Cargo/Ballast Details (VFCS)

4. Deck Machinery Details (VFDM)

5. Electrical Details (VFED)

6. Fixed Fire Fighting Details (VFFF)

7. Portable Fire Fighting Details (VFPF)

8. Hull Details (VFHD)

9. Lifesaving Details (VFLS)

10. Miscellaneous Systems (VFMS)

11. Navigation Details (VFND)

12. Propulsion Details (VFPP)

13. Pump Details (VFPD)

14. Steering Details (VFSD)

These products are discussed in this chapter.

B. Vessel File Systems Summary -- **VFSS.**

    1. **VFSS** Purpose and Description.

        a. Entry, update and retrieval of general information
           about a vessel's boilers, unfired pressure vessels,
           cargo systems, hull, propulsion, steering, naviga-
           tion equipment, electrical, pumps, deck machinery,
           lifesaving equipment, fixed and portable fire-
           fighting systems and miscellaneous systems.

        b. Allows selection of detailed information.

        c. Maps information to the MIPIP (Marine Inspection Pre-
           Inspection Package).

        d. Supplies data to the COI (Certificate of Inspection)
           and the COD (Certificate of Documentation).

        e. Figure 6-1 shows the data definitions for VFSS. See
           Table 6-1 for the code values and Enclosure (1) for
           the abbreviation meanings.

        f. The use of VFSS is illustrated in the following
           example sequence entitled: Entering a Vessel's
           Systems Summary.

    2. Accessing **VFSS.**

        a. Menu. VFSS is normally accessed through VFEI.

        b. Free-Form. VFSS can be accessed through free-form
           with:

           -VFSS,<E, U or R>,VIN=<vessel identification number>

           where:
           E = entry mode
           U = update mode
           R = retrieval mode
           VIN = vessel identification number

           EXAMPLE:

           -VFSS,E,VIN=L6726620

        c. Selection From Other Products. VFSS may be accessed
           from VFDS.

        d. Product Use Authority Levels.

           Retrieval - 1   Entry/Update - 2

6.B.3.   **VFSS** Data Entry Requirements and Explanation.

    a.   General Processing. VFSS is normally accessed
        through VFEI or VFDS using a VIN. In **E(ntry)** mode,
        information pertaining to the system summary can be
        entered. However, that information is <u>not</u>
        automatically entered into the associated detailed products.
        (For a list of these products, see the General sec-
        tion that introduces this chapter.) To enter infor-
        mation into a detailed product, the system can be
        accessed from VFSS using the select feature. (An
        "X" indicator appears immediately in front of a
        section title if a detailed product exists for that
        group of data.)
        The user may also access VFSS in **U(pdate)** mode, to
        make changes or additions to the summary data
        or to update information in the detailed
        product accessed through the select feature.
        If a detailed product exists, that section of
        VFSS is locked and can be updated <u>only</u> through
        the detailed product.
        VFSS can be accessed through VFEI using a VIN to
        view the summary information. The detailed
        product can also be accessed through VFSS
        while in **R(etrieval)** mode.

    b.   Special Processing. The section of VFSS that
        provides the pump summary displays an **"X"** when any
        part of VFPD (Vessel File Pump Details) contains
        data. An **"X"** may appear even when the counts show
        zero (0). This indicates that the detailed product,
        VFPD, contains eductor information.
        For documented vessels, the data slot for Hull
        Material is locked. This information can only
        be entered or changed using VDER (Vessel
        Documentation Element Record. However, changes
        made on VDER are not reflected on VFSS until
        the associated VDAR is validated.

```
COMMAND /  _____RESPONSE/PLS ENTER YOUR RESPONSE_____
VFSS                    VESSEL FILE SYSTEMS SUMMARY                    19APR89
NAME/  _____ VIN/ _____ CALL/ _____ FLAG/

                        _  1.  BOILERS
NUMBER OF MAIN PROPULSION BOILERS/ _          NUMBER OF AUXILIARY BOILERS/


                        _  2.  UNFIRED PRESSURE VESSELS
              --- NUMBER OF PRESSURE VESSELS BY TYPE ---
         AIR RECEIVER/ ___       DC HEATER.../ ___      DRY BULK..../ ___
         EVAPORATOR../ ___       HEAT XCHANGE/ ___      HUMAN OCCUP./ ___
         INDUST SYSTM/ ___       STEAM GEN.../ ___      OTHER......./ ___


                        _  3.  CARGO/BALLAST SYSTEM
CARGO HOLDS: NUM OF/ I GEAR TYPE/ _____(1)_____ REF/ X HTD/ X AC/ X INERT/ X
INDP CARGO TANKS NO/ I TOTAL VOL/ _I_____IGS/ X REF/ X HTD/ X  CONT TYPE/_(2)


                        _  4.  HULL SYSTEM
HULL MATERIAL./ ____(3)_____    HULL TYPE...../___(4)_   SCANT REDUCED?/ Y
CORROSION CONT/ ____(3)_____    DOUBLE SIDES./ ___(6)_   FOREBODY....../ _(7)_
RUDDER TYPE.../ ____(8)_____    DOUBLE BOTTOM/ ___(9)_   TYPE CONSTRUCT/ __(10)


                        __  5.  PROPULSION SYSTEM
PROPULSION TYPE / _____(11)_____ FUEL TYPE.../ __(12)__ NUM SHAFTS / __I
AUTOMATION LEVEL/ _(13)_              HP AHEAD..../ ___I___  SHAFT RPM../ __I
AUX PROPULSION../ __(14)____          AUTO BRIDGE?/ Y        FLANK SPEED/ __D
NUM FUEL TANKS../ _I_                 FUEL CAP..../___I____F/C UNITS../ __(15)
                                     LUBE OIL CAP/ ___I____L/O/C UNITS/ __(15)


                        __  6.  STEERING SYSTEM
MAIN STEERING SYSTEM TYPE/ _____(16)_____       HP.../ __I


                        __  7.  NAVIGATION SYSTEM
                        (17) AVAILABLE EQUIPMENT ---
RADAR........../ I ANTI-COLL RADAR/ X  RDF.........../_X  LORAN RECEIVERS/ X
FATHOMETER...../ X_ MAG COMPASS..../ X  GYRO COMPASS.../_X  GYRO REPEATER../ X
COURSE RECORDER/ X_                                     OTHER/ _____NARR_____


                        __  8.  ELECTRICAL SYSTEM
TOTAL NUM SVC/EMER GENERATORS/ __    EMERGENCY SOURCE OF POWER AVAILABLE?/ Y


                        __  9.  PUMPS
                --- NUMBER OF PUMPS BY USE ---
    CARGO/ __     STRIPPING/ __     BALLAST/ __    FIRE/ __     BILGE/


                        _  10.  DECK MACHINERY
NUMBER OF ANCHORS/ _ NUMBER OF BOW THRUSTERS/ _ NUMBER OF STERN THRUSTERS/
```

FIGURE 6-1. DATA DEFINITIONS FOR VFSS

```
                    __ 11.  LIFESAVING SYSTEM
                 NUMBER   PERSONS                                REQUIRED
TOTAL EQUIPMENT FOR           __I__    LIFE PRESERVERS(ADULT)....   __I
   LIFEBOATS(TOTAL).......  _I_      __I__    LIFE PRESERVERS(CHILD)....   __I
      LIFEBOATS(PORT)*.....  _I      __I__    RING BUOYS(TOTAL).........   __I
      LIFEBOATS(STARBD)*...  _I      __I__      WITH LIGHTS*...........   __I
      MOTOR LIFEBOATS*.....  _I      __I__      WITH LINE ATTACHED*.....   __I
      LIFEBOATS W/RADIO*...  _I      __I__      OTHER*.................   __I
   RESCUE BOATS/PLATFORMS.  _I      __I__    IMMERSION SUITS...........  ·__I
   INFLATABLE RAFTS.......  _I      __I__    PORTABLE LIFEBOAT RADIOS..     I
   LIFE FLOATS/BUOYANT APP  _I      __I__    EPIRB.....................     Y
   WORKBOATS (NOT REQUIRED) _I      __I__    (* INCLUDED IN TOTALS)


                 __12.  FIXED FIRE FIGHTING SYSTEM
TOTAL HOSE LENGTH/ _____    NUMBER OF FIRE AXES/ __    NUMBER OF FIRE PUMPS/


                 M 13.  PORTABLE FIRE FIGHTING SYSTEM
        --- NUMBER OF PORTABLE EXTINGUISHERS BY CLASS ---
        ____ A-II    ____ B-I    ____ B-II    ____ B-III
        ____ B-IV    ____ B-V    ____ C-I     ____ C-II


                 __14.  MISCELLANEOUS SYSTEMS
TOTAL NUMBER FILED/ ___
```

IF ANY DATA ELEMENTS ARE LOCKED, THEY MUST BE ENTERED OR MODIFIED VIA A CORRESPONDING SYSTEM DETAIL PRODUCT.

FIGURE 6-1. DATA DEFINITIONS FOR VFSS (Continued)

TABLE 6-1.   CODE VALUES FOR VFSS

(1)   CARGO   HOLDS,   GEAR TYPE

CODE	MAP
CON	CONVENTIONAL
CSL	CRANE/STIFF LEG
EL	ELEVATORS
HVL	HEAVY LIST
MUL	MULTIPLE TYPES
OTH	OTHER
SU	SELF UNLOADING

(2)   CARGO TANKS, CONTAINER

CODE	EXPLANATION
1	I HULL/CONTAINMENT TYPE AS PER 46 USC 151.10, 46 CFR 153
2	II HULL/CONTAINMENT TYPE AS PER 46 USC 151.10, 46 CFR 153
3	III HULL/CONTAINMENT TYPE AS PER 46 USC 151.10, 46 CFR 153
1S	IS HULL/CONTAINMENT TYPE AS PER 46 USC 151.10
2P	IIPG HULL/CONTAINMENT TYPE AS PER 46 USC 154.172
1G	IG HULL/CONTAINMENT TYPE AS PER 46 USC 154.172
2G	IIG HULL/CONTAINMENT TYPE AS PER 46 USC 154.172
3G	IIIG HUL/CONTAINMENT TYPE AS PER 46 USC 154.172
NC	NOT CLASSED

(3)   HULL/BULKHEAD MATERIALS

CODE	MAP
AL	ALUMINUM
BZ	BRONZE
CC	CONCRETE
CU	COPPER
DI	DUCTILE IRN
FE	IRON
FRP	FRP
HS	HS STEEL
IN	IRON NICKEL
OT	OTHER
PL	PLASTIC
SS	STAINLESS
ST	STEEL
WD	WOOD

TABLE 6-1. CODE VALUES FOR VFSS (Continued)

(4) HULL TYPE

CODE/MAP		EXPLANATION
1	I	SEE 46 CFR 151.10-1(B) FOR BARGES, 46 CFR PART 153 TABLE 1 FOR VESSELS
2	II	SEE 46 CFR 151.10-1(B) FOR BARGES, 46 CFR PART 153 TABLE 1 FOR VESSELS
3	III	SEE 46 CFR 151.10-1(B) FOR BARGES, 46 CFR PART 153 TABLE 1 FOR VESSELS
1S	IS	SEE 46 CFR 151.10-1(B) FOR BARGES
1G	IG	SEE 46 CFR PART 154 TABLE 4 FOR VESSELS
2G	IIG	SEE 46 CFR PART 154 TABLE 4 FOR VESSELS
3G	IIIG	SEE 46 CFR PART 154 TABLE 4 FOR VESSELS
2P	IIPG	SEE 46 CFR PART 154 TABLE 4 FOR VESSELS
NC		NOT ELSEWHERE CLASSIFIED

NOTE: HULL TYPE IS 46 CFR 32.63-20

(5) CORROSION CONTROL

CODE	MAP
ANC	ANODE-NO COAT
AWC	ANODE-COATING
COT	COATING ONLY
IMC	IMP CURRENT
NEC	CONTROL-NEC
NON	NONE

(6) DOUBLE SIDES

CODE/MAP	EXPLANATION
NA	NONE-NO DOUBLE SIDES
NT	NON TIGHT
WT	WATER TIGHT

(7) FOREBODY

CODE/MAP	EXPLANATION
BULB	BULBOUS BOW
DBOX	DOUBLE BOX END-BARGES
RAKE	DOUBLE RAKE END-BARGES
SBOX	SINGLE BOX END-BARGES
VEE	CONVENTIONAL "V" SHAPE

TABLE 6-1.   CODE VALUES FOR VFSS (Continued)

(8) RUDDER TYPE

CODE	MAP
ACT	ACTIVE
BAL	BALANCED
KOR	KORT NOZZLE
OTH	UNCONVENT
SGL	SINGLE PLATE
SPD	SPADE
UBA	UNBALANCED

(9) DOUBLE BOTTOM

CODE/MAP	EXPLANATION
FULL	FULL DOUBLE BOTTOM
NONE	NO DOUBLE BOTTOM
PART	PARTIAL DOUBLE BOTTOM

(10) CONSTRUCTION TYPE

CODE	MAP
C	COMPOSITE
G	GLUED
N	NAILED
R	RIVETED
S	SCREWED
U	UNCONV
W	WELDED
X	WELDED AND RIVETED

(11) PROPULSION TYPE

CODE	MAP
AS	AUXILIARY SAIL
CT	COMBINATION TYPES
DD	DIESEL DIRECT
DE	DIESEL ELECTRIC
DO	DIESEL OUTDRIVE
DR	DIESEL REDUCTION
EM	ELECTRIC MOTOR
GE	GASOLINE ENGINE
GT	GAS TURBINE
NA	NONE
NC	NOT CLASSIFIED
SA	SAIL
SE	STEAM TURBOELECTRIC
SR	STEAM RECIPROCATING
ST	STEAM TURBINE
UN	UNKNOWN

TABLE 6-1. CODE VALUES FOR VFSS (Continued)

(12) FUEL TYPE

CODE	MAP
DSL	DIESEL
FO	FUEL OIL
GAS	GASOLINE
NUC	NUCLEAR
OTH	OTHER

(13) AUTOMATION LEVEL

CODE

0
1
2
3
4
5
6
7
8

NOTE: THIS IS A MARAD DESIGNATION FOR THE NUMBER OF PERSONNEL
        REQUIRED TO MAN THE ENGINE ROOM UNDER NORMAL STEAMING
        CONDITIONS.

(14) AUX PROPULSION

CODE	MAP
HFP	HYDROFOIL
OTH	OTHER
THM	TAKE HOME

(15) UNITS, FUEL AND LUBE OIL CAPACITY

CODE	MAP
B	BBLS
G	GALS
L	LTON
M	MTON
P	LBS
S	STON
T	TONS

TABLE 6-1. CODE VALUES FOR VFSS (Continued)

(16) MAIN/AUXILIARY/EMERGENCY STEERING

CODE	MAP
DH	DIESEL HYDRAULIC
EHR	ELECTRO-HYD-RAM
EHV	ELECTRO-HYD-VANE
ELE	ELECTRIC
HYD	HYDRAULIC-HAND
MSC	MECHANICAL-HAND
OTH	NOT CLASSIFIED
STM	STEAM

(17) AVAILABLE EQUIPMENT, NAVIGATION

CODE/MAP	EXPLANATION
0	NUMBER ON BOARD
1	NUMBER ON BOARD
2	NUMBER ON BOARD
3	NUMBER ON BOARD
4	NUMBER ON BOARD
5	NUMBER ON BOARD
6	NUMBER ON BOARD
7	NUMBER ON BOARD
8	NUMBER ON BOARD
9	NUMBER ON BOARD
X	ON BOARD, NO NUMBER SPECIFIED

C. Vessel File Boiler Details -- **VFBD.**

    1. **VFBD** Purpose and Description.

        a. Entry, update and retrieval of detailed information
about a vessel's main and auxiliary boilers, safety
valves, and main steam piping.

        b. Builds and maintains an historical record of specific
equipment and displays the record on request.

        c. Displays counts of boilers on VFSS, Vessel File
System Summary, and portions of the boiler data on
MISD, Marine Inspection Status Details.

        d. Maps boiler detail data to MIPIP, Marine Inspection
Pre-Inspection Package.

        e. Figure 6-2 shows the data definitions for VFBD. See
Table 6-2 for the code values and Enclosure (1) for
the abbreviation meanings.

        f. The use of VFBD is illustrated in the following
example sequence entitled:Entering Boiler Detail
Information.

    2. Accessing **VFBD.**

        a. Menu. VFBD is normally accessed through VFEI.

        b. Free-Form. VFBD can be accessed through free-form
with:

            -VFBD,<E, U or R>,VIN=<vessel identification number>

            where:

            E = entry mode
            U = update mode
            R = retrieval mode
            VIN = vessel identification number

            EXAMPLE:

            -VFBD,E,VIN=L6726620

        c. Selection From Other Products. VFBD may be accessed
from VFSS.

        d. Product Use Authority Levels.

            Retrieval - 1   Entry/Update - 2

6.C.   3. **VFBD** Data Entry Requirements and Explanation.

        a. General Processing. VFBD is accessed through VFEI
            or VFSS using a VIN to enter information about a
            vessel's boiler and associated equipment. VFBD
            responds with space for two boilers, two auxiliary
            boilers, eight safety valve specifications, and
            three steam piping specifications. A **"C"** for
            Current should be placed in the STATUS slot for
            each boiler, auxiliary boiler, and safety valve
            entered on VFBD. When all of the information is
            entered, the boiler section of VFSS is
            automatically updated.

            VFBD may also be accessed in **U(pdate)** mode to make
            any changes or additions to existing information.
            In **U(pdate)** mode, VFBD provides room for two
            additional boilers, two additional auxiliary
            boilers, five additional safety valve
            specifications and one additional steam piping
            specification each time it is executed, until the
            maximum screen image size is reached.
            Thereafter, VFBD provides at least one
            additional data line for each of the groups of
            data - boilers, auxiliary boilers, safety valve
            specifications and steam piping specifications
            until the page is filled. Once the page is
            filled, no additional lines are assigned until
            data lines are deleted and become available once
            again for use. Lines may be deleted by blanking
            them out and pressing **SEND**. Changes and
            additions made to VFBD are also made in VFSS.
            The user should place an **"H"** for History or a **"C"**
            for Current in the STATUS slot for each boiler,
            auxiliary boiler, and safety valve specification
            being changed or added. Failure to fill the
            STATUS slot will automatically remove that boiler,
            auxiliary boiler or safety valve specification
            definition from MSIS.

            VFBD may also be accessed in **R(etrieval)** mode
            through VFEI using a VIN to view existing boiler
            system information on a vessel. The historical
            record(s) may be displayed by entering **HISTORY** in
            the Command Slot.

            Blanking the entire line of information, including
            the STATUS slot, will cause VFBD to automatically
            remove that boiler, auxiliary boiler, or safety
            valve specification definition from MSIS.

        b. Special Processing. None.

```
COMMAND  /  _____     RESPONSE/PLS ENTER YOUR RESPONSE
VFBD                                            VESSEL FILE BOILER DETAILS          02APR86

                                                LAST REVISED:  PORT/ _____ DATE/_____

NAME/  _____  VIN/ _____ CALL/ _____ FLAG/ __

NUMBER OF MAIN PROPULSION BOILERS/ __        NUMBER OF AUXILIARY BOILERS/ _

                        --- MAIN PROPULSION BOILERS ---
MAXIMUM STEAM PRESSURE ALLOWED/ __I_ PSI
                                                CONTRACT    PRESSURE  SPHT STATUS
     ID NUM    TYPE      MANUFACTURER           NUMBER     DES  SET  TEMP  (C/H)
    _NARR___  _(1)_  _____NARR_____     ____NARR_____  _I_  _I_  _I_   (2)
   _____                        _____      _I_  _I_   (2)
EFFECTIVE DATE/ __CD___  NUM HIST RECS/ __   STATUS: C-CURRENT; H-HISTORY

                        --- AUXILIARY BOILERS ---
                                                          PRESSURE       STATUS
     ID NUM    TYPE      MANUFACTURER           USE       DES  SET  TEMP  (C/H)
    _NARR___  _(3)_  _____NARR_____     ___NARR____  _I_  _I_  _I_   (2)
   _____
EFFECTIVE DATE/ __CD___  NUM HIST RECS/ __   STATUS: C-CURRENT; H-HISTORY

                        --- SAFETY VALVE SPECIFICATIONS ---
    BOILER                                                             STATUS
    ID NUM      Q-NUMBER     USE         MANUFACTURER         MODEL    (C/H)
    _NARR___   __QNUM___  __NARR___   _____NARR_____   __NARR___  (2)

   _____  _____  _____  _____   _____   _
   _____  _____  _____  _____   _____   _
   _____  _____  _____  _____   _____   _
   _____  _____  _____  _____   _____   _
EFFECTIVE DATE/ __CD___  NUM HIST RECS/ __   STATUS: C-CURRENT; H-HISTORY

                  --- MAIN STEAM PIPING SPECIFICATIONS ---
                MATERIAL         DIAMETER     INITIAL WALL THICKNESS
              ____NARR____        _D__                _D__
              _____     _____               _____
              _____     _____               _____
```

FIGURE 6-2. DATA DEFINITIONS FOR VFBD

TABLE 6-2.CODE VALUES FOR VFBD

(1) MAIN PROPULSION BOILER TYPE

CODE	EXPLANATION
FT	FIRE TUBE
WT	WATER TUBE

(2) STATUS

CODE	EXPLANATION
C	CURRENT
H	HISTORY

(3) AUXILIARY BOILER TYPE

CODE	EXPLANATION
FH	FIRED THERMAL HEATER
FT	FIRE TYPE
WT	WATER TYPE

D. Vessel File Pressure Vessel Details -- **VFPV**.

   1. **VFPV** Purpose and Description.

      a. Entry, update and retrieval of information pertaining
          to the unfired pressure vessel specifications for a
          particular vessel.

      b. Posts counts of pressure vessels to VFSS, Vessel File
          System Summary.

      c. Posts portions of the data to MISD, Marine Inspection
          Status Details. VFPV also maps data to MIPIP, Marine
          Inspection Pre-Inspection Package.

      d. Figure 6-3 shows the data definitions for VFPV. See
          Table 6-3 for the code values and Enclosure (1) for
          the abbreviation meanings.

      e. The use of VFPV is illustrated in the following
          example sequence entitled: Entering Pressure Vessel
          Information

   2. Accessing **VFPV**.

      a. Menu. VFPV is normally accessed through VFEI.

      b. Free-Form. VFPV can be accessed through free-form
          with:

          -VFPV,<E, U or R;,VIN=<vessel identification number>

          where:

          E = entry mode
          U = update mode
          R = retrieval mode
          VIN = vessel identification number

          EXAMPLE:

          -VFPV, U,VIN=CG000650

      c. Selection From Other Product. VFPV may be accessed
          from the Vessel File System Summary (VFSS).

      d. Product Use Authority Levels.
          Retrieval - 1   Entry/Update - 2

   3. **VFPV** Data Entry Requirements and Explanation.

      a. General Processing. The user accesses VFPV through
          VFEI or VFSS to enter unfired pressure vessel

6.D.3.a. (Cont'd) specifications for a particular vessel. In
E(ntry) mode, VFPV responds with fifty (50) blank
lines for the entry of the pressure vessel information.
Each line contains slots for ID NUMBER, TYPE, MANUFAC-TURER,
LOCATION, MAWP, and CLASS. Both the TYPE and CLASS slots
are controlled by edit values. The user may access VFPV in
U(pdate) mode to make corrections or additions to existing data.
In **U(pdate)** mode, VFPV responds with a <u>total</u> of fifty (50) lines
for pressure vessel information, either filled with data or
blank. The user may then either change existing information or
add more pressure vessels to the vessel's VFPV. Information
on a pres-sure vessel may be deleted from VFPV by blanking out all
of the slots on that line and pressing **SEND**. This action
removes that pressure vessel from the vessel's record.
VFPV may also be accessed in **R(etrieval)** mode
through VFEI to see existing pressure vessel
information concerning a particular vessel.
VFPV functions with **MORE** logic in all three modes
when more than one screen image (50 lines) of pressure
vessels exists. In **E(ntry)** and **U(pdate)** modes,
the user receives the message "PLS ENTER YOUR
RESPONSE" in the Response Slot and has the following
four options: (1) press **SEND** with a blank in the
Command Slot to receive the message "KEY MORE FOR
NEXT PAGE" and then enter **MORE,** press **SEND** to receive
the next product on the queue, enter a free-form
command or **ABORT;** (2) enter **MORE** and press **SEND** to
display the next page; (3) enter a free-form command
and press **SEND** to bring up another product; or
(4) **ABORT** to halt execution of VFPV. Please note
that aborting on the <u>second</u> page of VFPV does not
cancel the filing of the first page. Pressing **SEND**
to bring up the second page automatically files the
first page of entries.

In **R(etrieval)** mode, VFPV displays the first fifty
(50) pressure vessels along with the message "KEY
MORE FOR NEXT PAGE" in the Response Slot. The user
may then enter **MORE** and press **SEND** to view the next
page.

b. <u>Special Processing</u>. MSIS automatically keeps a count
of each type of unfired pressure vessel for a vessel.
Pressure vessels identified to MSIS prior to the
deployment of VFPV will not display these counts when
VFPV is requested in **U(pdate)** or **R(etrieval)** mode.
This situation may be remedied by requesting VFPV in
update mode for a particular vessel, changing a data
element, and pressing **SEND**. The next time VFPV is
requested for the vessel, the counts will be correct.

6.D.3.b (Cont'd) **Please Note**: Each unfired pressure vessel
record listed on VFPV contains the inspection dates
entered by the user on MISD, even though these dates
are hidden from view when VFPV is displayed. If the
user changes some data on an existing pressure
vessel, this data will be associated with the exist-
ing inspection dates. However, if a line of pressure
vessel data is blanked out, that record and its asso-
ciated dates are deleted from VFPV and any unfired
pressure vessels added to VFPV will <u>not</u> have dates
linked with them. The user must access MISD in
U(pdate) mode to enter the associated inspection
dates.

```
COMMAND / _____   RESPONSE/PLS ENTER YOUR RESPONSE _____@
VFPV                VESSEL FILE PRESSURE VESSEL DETAILS                    21AUG86

                                    LAST REVISED:  PORT/ _____ DATE/_____

NAME/ _____ VIN/ _____ CALL/ _____ FLAG/

            AIR RECEIVER/ ___    DC HEATER.../ ___   DRY BULK..../ ___
            EVAPORATOR../ ___    HEAT XCHANGE/ ___   HUMAN OCCUP./ ___
            INDUST SYSTM/ ___    STEAM GEN.../ ___   OTHER......./ ___

                        --- EXAMINED PRESSURE VESSELS ---
     ID NUM         TYPE          MANUFACTURER          LOCATION        MAWP CLASS
    __NARR____    ___(1)____    _____NARR_____    _____NARR_____    _I_ _(2)_

    _____    _____    _____    _____    ____ ____
    _____    _____    _____    _____    ____ ____
```

FIGURE 6-3. DATA DEFINITIONS FOR VFPV

TABLE 6-3. CODE VALUES FOR VFPV

(1) PRESSURE VESSEL TYPE

CODE	MAP
AR	AIR RECEIVER
DB	DRY BULK
DC	DC HEATER
EV	EVAPORATOR
HE	HEAT XCHANGE
HO	HUMAN OCCUP
OT	OTHER
SG	STEAM GEN
IS	INDUST SYSTEM

(2) CLASS

CODE/MAP	EXPLANATION
I	SEE TITLE 46CFR, SUBCHAPTER F
IL	SEE TITLE 46CFR, SUBCHAPTER F
II	SEE TITLE 46CFR, SUBCHAPTER F
IIL	SEE TITLE 46CFR, SUBCHAPTER F
III	SEE TITLE 46CFR, SUBCHAPTER F

E. Vessel File Cargo/Ballast Details -- **VFCS**.

1. **VFCS** Purpose and Description.

    a. Entry, update and retrieval of detailed information
        about a vessel's cargo holds or tanks, including
        cargo pumping and piping systems, cargo tank
        arrange-ment, ballast system and cargo tanks
        features and specifications.

    b. Builds and maintains an historical record of cargo/
        ballast details.

    c. Posts basic cargo hold and cargo tank information to
        VFSS, Vessel File System Summary.

    d. Maps data to MIPIP, Marine Information
        Pre-Inspection Package and to MICIF, Marine
        Inspection Certificate of Inspection Form.

    e. Figure 6-4 shows the data definitions for VFCS. See
        Table 6-4 for the code values and Enclosure (1) for
        the abbreviation meanings.

2. Accessing **VFCS.**

    a. Menu. VFCS is normally accessed through VFEI.

    b. Free-Form. VFCS can be accessed through free-form
        with:

        -VFCS,<E, U or R),VIN=<vessel identification number>

        where:

        E = entry mode
        U = update mode
        R = retrieval mode
        VIN = vessel identification number

        EXAMPLE:

        -VFCS,E,VINL6726620

    c. Selection From Other Products. VFCS may be accessed
        from VFSS.

    d. Product Use Authority Levels.

        Retrieval - 1   Entry/Update - 2

6.E.3. **VFCS** Data Entry Requirements and Explanation.

a. General Processing. VFCS is accessed through VFEI
    or VFSS using a VIN to enter information about a
    ves-sel's cargo/ballast systems, including up to
    six (6) ballast tank specifications and three (3)
    cargo tank specifications. A **"C"** for Current
    should be placed in the STATUS slot for each
    ballast tank entered on VFCS. When the information
    is entered the cargo ballast section of VFSS is
    automatically updated.
    VFCS may also be accessed in **U(pdate)** mode to make
    any changes or additions to existing
    information. In **U(pdate)** mode, VFCS provides
    room for three addi-tional ballast tank
    specifications and one additional cargo tank
    specification each time it is executed, until
    the maximum screen image size is reached.
    Thereafter, VFCS provides at least one
    additional data line for each of the Groups of
    data until the page is filled. Once the page
    is filled, no addi-tional lines are assigned
    until data lines are deleted and become
    available once again for use. Lines may be
    deleted by blanking them out and pressing
    SEND. Changes and additions to VFCS will also
    be made in VFSS.

    The user should place an **"H"** for History or a **"C"** for
    Current in the STATUS slot for each ballast tank
    specification being changed or added. Failure to
    fill the STATUS slot will automatically remove that
    specification definition from MSIS.
    VFCS may also be accessed in **R(etrieval)** mode through
    VFEI or VFSS using a VIN. The historical record(s)
    may be displayed by entering **HISTORY** in the Command
    Slot.

    Blanking the entire line of information, including
    the STATUS slot, will cause VFCS to automatically
    remove that ballast tank specification definition
    from MSIS.

b. Special Processing. None.

```
COMMAND / _____RESPONSE/PLS ENTER YOUR RESPONSE
VFCS                   VESSEL FILE CARGO/BALLAST DETAILS          18MAR91

                                    LAST REVISED:  PORT/      DATE/

NAME/ SEABREEZE II                  VIN/ CG000175 CALL/          FLAG/ US

CARGO HOLDS: NUM OF/ I_ GEAR TYPE/ __(1)_____ REF/ X HTD/ X AC/ X INERT/ X
CARGO TANKS NO...../ I_ TOTAL VOL/ _I_____ IGS/ X REF/ X HTD/ X   CONT TYPE/(2)

TANKER BALLAST: CAPACITY/ I_____ SEGREGATED CAPACITY/ I_____ TANKS COATED?/ Y
          : DEFENSIVELY PLACED?/ Y   PERCENT AREA COVERED/ _I_

            --- CARGO HOLDS/GEAR DESCRIPTION ---
    _NARR_____

    _____
                     --- BULK LIQUID CARGO SYSTEM ---
NUM OF INDEP PUMPING SYSTEMS/ I_ NUM OF PUMPROOMS/ I OIL OUTFLOW CRITERIA?/ Y
TANK CLEANING TYPE/ _(3)_____ GAS FREE FACILITY?/ Y IGS/ _(4)_____
PUMPROOM VENTILATION/(5) TRANSFER CONTROL CLASS/(6) REMOTE SHUTDOWN?/ Y

            --- CARGO PIPING SYSTEM ---
TYPE/ _(7)_____ MATERIAL/ _(8)_____ PIPING CLASS/(9) MAWP/ I__
LOC. OF MAIN/ _(10)_____ _____ INTERCONNECTED TO SBT REQUIRING SEALS?/ Y
VALVE CONTROL TYPE/(11) CENTRAL CARGO CONTROL SYSTEM/ __LIT_____
            --- CARGO PUMPING/PIPING DESCRIPTION ---
    _NARR_____

    _____
                     --- CARGO TANK ARRANGEMENT ---
     CARGO TANK           NUMBER OF       HIGHEST          TOTAL
      LOCATION             TANKS           GRADE           VOLUME
   CENTER-LINE.........       I_           (12)            __I__
   WING................       __            ___           _____
   DEEP................       __            ___           _____
   CENTER-LINE DB......       __            ___           _____
   RAKE................       __            ___           _____
   OTHER...............       __            __            _____
   TANK SPACE LENGTH/ _I__ CTR TANK BRDTH/ _D__ WING TANK BRDTH/ _D__ CL BLKHD/(13)

            --- BALLAST SYSTEM FOR TANK VESSELS ---
                        -------------- BALLAST TYPE -----------      STATUS
   TANK ID     VOLUME    SEGREGATED  DEDICATED CLEAN       SLOPS     (C/H)
   LIT_        _I___         X           X                   X       (14)

   ____        _____        _           _                   _        _
   ____        _____        _           _                   _        _
   ____        _____        _           _                   _        _
   ____        _____        _           _                   _        _
EFFECTIVE DATE/ __CD*___ NUM HIST RECS/ 0   STATUS: C-CURRENT; H-HISTORY
```

FIGURE 6-4. DATA DEFINITIONS FOR VFCS

--- CARGO TANK SPECIFICATIONS ---

1. TANK LOCATION(S)./ __LIT_____   PRESS/VACUUM SET:MAX/ _D__ MIN/ _D__
    CONTAINMENT TYPE./ (2)   CARGO REFRIG TYPE.../ (15)_____
    TANK TYPE......../ (16)   CARGO HEATER TYPE.../ (17)_____
    VENT CONTROL TYPE/ (18)_____   DESIGN CARGO TEMP.../ _I__
    GAGING TYPE....../ (19)_____   DESIGN CARGO SP. GR./ _D___
    TANK MATERIAL..../ (20)_____   SCANTLINGS REDUCED?./ Y
    TANKS COATED?..../ Y   IND. TANK CONSTRUCT./ (21)_____
    GAS TANK DESIGN../ (22)_____   IND. TANK TYPE....../ _(23)
    TANK ENVIRONMENT./ (24)_   ELEC. HAZARD CLASS../ _(25)
    MAWP............./ _CH__

    DESCRIP/ __NARR_____

    _____

2. TANK LOCATION(S)./ __LIT_____   PRESS/VACUUM SET:MAX/ _D__ MIN/ _D__
    CONTAINMENT TYPE./ (2)   CARGO REFRIG TYPE.../ (15)_____
    TANK TYPE......../ (16)   CARGO HEATER TYPE.../ (17)_____
    VENT CONTROL TYPE/ (18)_____   DESIGN CARGO TEMP.../ _I__
    GAGING TYPE....../ (19)_____   DESIGN CARGO SP. GR./ _D___
    TANK MATERIAL..../ (20)_____   SCANTLINGS REDUCED?./ Y
    TANKS COATED?..../ Y   IND. TANK CONSTRUCT./ (21)_____
    GAS TANK DESIGN../ (22)_____   IND. TANK TYPE....../ _(23)
    TANK ENVIRONMENT./ (24)_   ELEC. HAZARD CLASS../ _(25)
    MAWP............./ _CH__

    DESCRIP/ __NARR_____

    _____

3. TANK LOCATION(S)./ __LIT_____   PRESS/VACUUM SET:MAX/ _D__ MIN/ _D__
    CONTAINMENT TYPE./ (2)   CARGO REFRIG TYPE.../ (15)_____
    TANK TYPE......../ (16)   CARGO HEATER TYPE.../ (17)_____
    VENT CONTROL TYPE/ (18)_____   DESIGN CARGO TEMP.../ _I__
    GAGING TYPE....../ (19)_____   DESIGN CARGO SP. GR./ _D___
    TANK MATERIAL..../ (20)_____   SCANTLINGS REDUCED?./ Y
    TANKS COATED?..../ Y   IND. TANK CONSTRUCT./ (21)_____
    GAS TANK DESIGN../ (22)_____   IND. TANK TYPE....../ _(23)
    TANK ENVIRONMENT./ (24)_   ELEC. HAZARD CLASS../ _(25)
    MAWP............./ _CH__

    DESCRIP/ __NARR_____

    _____

* Field must be filled in on initial entry.

FIGURE 6-4. DATA DEFINITIONS FOR VFCS (Continued)

TABLE 6-4. CODE VALUES FOR VFCS

(1) CARGO HOLDS, GEAR TYPE

CODE	MAP
CON	CONVENTIONAL
CSL	CRANE/STIFF LEG
EL	ELEVATORS
HVL	HEAVY LIFT
MUL	MULTIPLE TYPES
OTH	OTHER
SU	SELF UNLOADING

(2) INDEPENDENT CARGO TANKS: CONTAINMENT TYPE

CODE/MAP		EXPLANATION
1	I	HULL/CONTAINMENT TYPE AS PER 46 USC 151.10-1
2	II	HULL/CONTAINMENT TYPE AS PER 46 USC 151.10-1
3	III	HULL/CONTAINMENT TYPE AS PER 46 USC 151.10-1
1S	IS	HULL/CONTAINMENT TYPE AS PER 46 USC 151.10-1
2P	IIPG	HULL/CONTAINMENT TYPE AS PER 46 USC 154.172
1G	IG	HULL/CONTAINMENT TYPE AS PER 46 USC 154.172
2G	IIG	HULL/CONTAINMENT TYPE AS PER 46 USC 154.172
3G	IIIG	HULL/CONTAINMENT TYPE AS PER 46 USC 154.172

(3) TANK CLEANING TYPE

CODE	MAP
COW	CRUDE OIL WASHING
HWW	HI CAP WATER WASH
LWW	LO CAP WATER WASH
OTH	UNCONVENTIONAL

(4) IGS TYPE

CODE	MAP
CMB	COMBINATION
EGS	EXHAUST GAS
GGE	GAS GENERATOR
GSH	GAS STORAGE
OTH	OTHER

(5) PUMPROOM VENTILATION

CODE/MAP	EXPLANATION
VF	FORCED SEE 46 CFR 151.25.9
VN	NATURAL SEE 46 CFR 151.25.9

TABLE 6-4. CODE VALUES FOR VFCS (Continued)

(6) CARGO SYSTEM TRANSFER CONTROL CLASS

CODE/MAP	EXPLANATION
G1	SEE 46 CFR 151.20.5
G2	SEE 46 CFR 151.20.5
P1	SEE 46 CFR 151.20.5
P2	SEE 46 CFR 151.20.5
NC	NOT ELSEWHERE CLASSIFIED

(7) CARGO PIPING TYPE

CODE	MAP
FF	FREE FLOW
DW	DEEP WELL
CM	CARGO MAIN
UN	UNCONVENTIONAL

(8) CARGO PIPING MATERIAL

CODE	MAP
AL	ALUMINUM
BZ	BRONZE
CC	CONCRETE
CU	COPPER
DI	DUCTILE IRN
FE	IRON
FRP	FRP
HS	HS STEEL
IN	IRON NICKEL
OT	OTHER
PL	PLASTIC
SS	STAINLESS
ST	STEEL
WD	WOOD

(9) CARGO PIPING CLASS

CODE/MAP	EXPLANATION
1	SEE 46 CFR 56.04-2
1L	SEE 46 CFR 56.04-2
2	SEE 46 CFR 56.04-2
2L	SEE 46 CFR 56.04-2

TABLE 6-4. CODE VALUES FOR VFCS (Continued)

(10) LOCATION OF MAIN CARGO PIPING

CODE	MAP
BCT	BTM CGO TK
BMD	BELOW DECK
MD	MAIN DECK
NA	NOT APPLICABLE
OTH	UNCONVENTIONAL

(11) CARGO PIPING VALVE CONTROL

CODE/MAP	EXPLANATION
AIR	PNEUMATIC
E-M	ELECTRIC MOTOR
HYD	HYDRAULIC
MAN	MANUAL
OTH	OTHER

(12) CARGO TANKS, HIGHEST GRADE

CODE/MAP	EXPLANATION
AA	GRADE A
BB	GRADE B
CC	GRADE C
DD	GRADE D
EE	GRADE E

(13) CL BULKHEAD

CODE/MAP	EXPLANATION
T	WATER TIGHT
N	NON-WATER TIGHT
O	OIL TIGHT

(15) CARGO TANK REFRIGERATION TYPE

CODE	MAP
BOF	BOILOFF
EHE	EXT EXCHANGE
EVC	EXT VAP COMP
IHE	INT EXCHANGE
NON	NONE
OTH	UNCONVENTIONAL
REF	TANK REFRIG
VPB	VAPOR BALANCE

TABLE 6-4. CODE VALUES FOR VFCS (Continued)

(16) CARGO TANK, TANK TYPE

CODE/MAP	EXPLANATION
GAS	GAS
INDGR	INDEPENDENT GRAVITY
INTGR	INTEGRAL GRAVITY
INDPR	INDEPENDENT PRESSURE
INTPR	INTEGRAL PRESSURE
OTH	OTHER

(17) CARGO TANK CARGO HEATER TYPE

CODE	MAP
EHE	EXT EXCHANGE
IHE	TANK HEATER
NON	NONE
UN	UNCONVENTIONAL

(18) CARGO TANK VENT CONTROL TYPE

CODE	MAP
NA	NA
NC	NOT CLASSED
OP	OPEN
PV	PRESS-VACUUM
RD	RUPTURE DISK
SR	SAF-RELIEF
SR250	SR250
SR300	SR300

(19) CARGO TANK GAGING TYPE

CODE	MAP
CL	CLOSED
IN	INDIRECT
NA	NA
NC	NOT CLASSED
OP	OPEN
RE	RESTRICTED

(20) CARGO TANK MATERIAL

CODE	MAP
AL	ALUMINUM
BZ	BRONZE
CC	CONCRETE
CU	COPPER
DI	DUCTILE IRN
FE	IRON
FRP	FRP
HS	HS STEEL
IN	IRON NICKEL
OT	OTHER
PL	PLASTIC
SS	STAINLESS
ST	STEEL
WD	WOOD

(21) IND TANK CONSTRUCTION

CODE	MAP
CONE	CONICAL
CYLV	CYL-VERT
CYLH	CYL-HORIZ
CYLD	DBLE CYC
MEMB	MEMBRANE
OTH	UNCONVENTIONAL
PRSM	PRISM
SPHR	SPHERE

(22) GAS TANK DESIGN

CODE	MAP
CON	CONCHMOSR
CON2	CONCH2
COT	CONCH-O-TECHNIG
ESSO	ESSO
GAZT	GAZ TRANSPORT
MOSR	MOSS ROSENBERG
KMOS	KVAERNER MOSS
UNC	UNCLASSED

(23) IND TANK TYPE

CODE/MAP	EXPLANATION
A	INDEPENDENT TANK TYPE A (SEE 46 CFR 154.3)
B	INDEPENDENT TANK TYPE B (SEE 46 CFR 154.3)
C	INDEPENDENT TANK TYPE C (SEE 46 CFR 154.3)

TABLE 6-4. CODE VALUES FOR VFCS (Continued)

(24) TANK ENVIRONMENT

CODE/MAP	EXPLANATION
DRYIN	DRY - INERTED
INERT	INERTED
NPAD	PADDED WITH NITROGEN
NR	NOT REQUIRED
PAD	PADDED WITH GAS
WPAD	PADDED WITH WATER

(25) ELECTRICAL HAZARD CLASS

CODE/MAP	EXPLANATION
IA	SEE 46 CFR 111.80-5
IB	SEE 46 CFR 111.80-5
IC	SEE 46 CFR 111.80-5
ID	SEE 46 CFR 111.80-5
NA	NOT APPLICABLE

F. Vessel File Deck Machinery --**VFDM**.

1. **VFDM** Purpose and Description.

    a. Entry, update and retrieval of detailed information
        about a vessel's anchors and cables, windlasses and
        winches, and auxiliary thrusters.

    b. Builds and keeps an historical record of previous
        deck machinery and displays the record on request.

    c. Posts the number of current anchors and thrusters to
        a vessel's VFSS.

    d. Maps data to MIPIP, Marine Inspection Pre-Inspection
        Package and to MICIF, Marine Inspection Certificate
        of Inspection Form.

    e. Figure 6-5 shows the data definitions for VFDM. See
        Table 6-5 for the code values and Enclosure (1) for
        the abbreviation meanings.

2. Accessing **VFDM.**

    a. Menu. VFDM is normally accessed through VFEI.

    b. Free-Form. VFDM can be accessed through free-form
        with:

        -VFDM,<E, U or R>,VIN=<vessel identification number>

        where:

        E = entry mode
        U = update mode
        R = retrieval mode
        VIN = vessel identification number

        EXAMPLE:

        -VFDM,R,VIN=L6726620

    c. Selection From Other Products. VFDM may be accessed
        from VFSS.

    d. Product Use Authority Levels.

        Retrieval - 1   Entry/Update - 2

3. **VFDM** Data Entry Requirements and Explanation.

    a. General Processing. The user accesses VFDM through
        VFEI or VFSS to enter information on up to three (3)
        anchor/cable specifications, three (3) windlasses and

6.F.3.a. (Cont'd) winches and two (2) auxiliary thrusters. A **"C"**
for Current should be placed in the STATUS slot for
each anchor/cable, windlass/winch or auxiliary
thruster entered on VFDM. The deck machinery summary
information entered into VFDM is automatically
entered into the Deck Machinery section of VFSS by
MSIS.

The user may access VFDM in **U(pdate)** mode to make
corrections or additions to an existing VFDM.
In **U(pdate)** mode, VFDM provides room for one
additional anchor/cable specification, one
additional windlass/winch specification and
one additional auxiliary thruster each time it
is executed, until the maximum screen image
size is reached. Thereafter, VFDM provides at
least one additional data line for each of the
groups of data until the page is filled. Once
the page is filled, no additional lines are
assigned until data lines are deleted and
become available once again for use. Lines may
be deleted by blanking them out and pressing
SEND. Changes made to VFDM will automatically
be made to VFSS.

The user should place an **"H"** for History or a **"C"** for
Current in the STATUS slot for each anchor/cable,
windlass/winch and auxiliary thruster specification
being changed or added. Failure to fill the STATUS
slot will automatically remove that specification
definition from MSIS.

VFDM may also be accessed in **R(etrieval)** mode through
VFEI or VFSS to see existing deck machinery informa-
tion concerning a particular vessel. The historical
record(s) may be displayed by entering **HISTORY** in the
Command Slot.

Blanking the entire line of information, including
the STATUS slot, will cause VFDM to automatically
remove that anchor/cable, windlass/winch and
auxiliary specification definition from MSIS.

b. Special Processing. None.

```
COMMAND / _____     RESPONSE/PLS ENTER YOUR RESPONSE_____
VFDM                 VESSEL FILE DECK MACHINERY DETAILS              01JUL86

                                LAST REVISED:  PORT/ _____  DATE/ _____

NAME/ _____ VIN/ _____  CALL/ _____  FLAG/ ____

NUMBER OF ANCHORS/ _   NUMBER OF BOW THRUSTERS/ _   NUMBER OF STERN THRUSTERS/

                     --- ANCHOR/CABLE SPECIFICATIONS ---
           ---------- ANCHORS --------        ----- ANCHOR CABLES -----  STATUS
           TYPE      LOCATION   WEIGHT         TYPE     DIA.    LENGTH     (C/H)
           _(1)_     __(2)_    __I___          _(3)_    _I__    __I__        _

           _____    ____     _____          _____   ____    ____         _
EFFECTIVE DATE/ __CD___  NUM HIST RECS/ __    STATUS: C-CURRENT; H-HISTORY

                        --- WINDLASS/WINCH DATA ---                      STATUS
   DEVICE    SERIAL  NUM        MANUFACTURER          MODEL     DRIVE     (C/H)
   __(4)_    LIT          _____LIT_____    LIT___    NARR_       _

  _____  _____  _____  _____  _____    _
EFFECTIVE DATE/ __CD___  NUM HIST RECS/ __    STATUS: C-CURRENT; H-HISTORY

                        --- AUXILIARY THRUSTERS ---                      STATUS
LOCATION    HP                MANUFACTURER          MODEL      DRIVE     (C/H)
 _(6)_      _I__        _____LIT_____    LIT_____  __(5)__     _

_____  _____  _____  _____  _____   _
EFFECTIVE DATE/ __CD___  NUM HIST RECS/ __    STATUS: C-CURRENT; H-HISTORY
```

FIGURE 6-5.   DATA DEFINITIONS FOR VFDM

TABLE 6-5. CODE VALUES FOR VFDM

(1) ANCHOR - TYPE

CODE	MAP	EXPLANATION
AC	AC 14	AC 14
AD	ADMRLT	ADMIRALTY
DN	DNFRTH	DANFORTH
KE	KEDGE	KEDGE
MV	MUSHRM	MUSHROOM
NR	NRTHLL	NORTHILL
OT	UNTYPD	UNTYPED
PL	PLOW	PLOW
ST	STKLSS	STOCKLESS

(2) LOCATION

CODE/MAP	EXPLANATION
PORT	PORT SIDE
STBD	STBD SIDE
STRN	STERN
BOW	BOW

(3) CABLE TYPE

CODE
CABLE
CHAIN
LINE
OTHER

(4) WINDLASS/WINCH - DEVICE IND

CODE	MAP
WH	WINCH
WS	WINDLASS

TABLE 6-5. CODE VALUES FOR VFDM (Continued)

(5) GENERATOR, PUMP, WINDLASS/WINCH, AUX THRUSTER - DRIVE TYPE

CODE	MAP	EXPLANATION
AIR	PNEUMAT	PNEUMATIC
ELE	ELECTRIC	ELECTRIC
GTE	GAS TURB	GAS TURBINE
HYD	HYDRAUL	HYDRAULIC
ICE	ICE ENG	INTERNAL COMBUSTION
OTH	NEC	NOT ELSEWHERE CLASSIFIED
SEN	ST. ENG	STEAM ENGINE
STU	ST. TURB	STEAM TURBINE

(6) AUX THRUSTER - SITE

CODE	MAP
B	BOW
S	STERN

G. Vessel File Electrical Details -- **VFED.**

1. **VFED** Purpose and Description.

    a. Entry, update and retrieval of detailed information
        about a vessel's service and emergency generators and
        systems requiring emergency batteries.

    b. Builds and keeps an historical record of previous
        generators and displays the record on request.

    c. Posts the number of generators to a vessel's VFSS.

    d. Maps data to MIPIP, Marine Inspection Pre-Inspection
        Package and to MICIF, Marine Inspection Certificate
        of Inspection Form.

    e. Figure 6-6 shows the data definitions for VFED. See
        Table 6-6 for the code values and Enclosure (1) for
        the abbreviation meanings.

2. Accessing **VFED.**

    a. Menu. VFED is normally accessed through VFEI.

    b. Free-Form. VFED can be accessed through free-form
        with:

        -VFED,<E, U or R>,VIN=<vessel identification number>

        where:

        E = entry mode
        U = update mode
        R = retrieval mode
        VIN = vessel identification number

        EXAMPLE:

        -VFED,E,VIN=L7621968

    c. Selection From Other Products. VFED may be accessed
        from VFSS.

    d. Product Use Authority Levels.

        Retrieval - 1   Entry/Update - 2

3. **VFED** Data Entry Requirements and Explanation.

    a. General Processing. The user accesses VFED through
        VFEI or VFSS to enter information on up to five (5)
        ship's service or emergency generators and five (5)
        systems requiring emergency batteries. A **"C"** for

6.G.3.a. (Cont'd) Current should be placed in the STATUS slot for each generator entered on VFED. The electrical detail summary information entered into VFED is automatically entered into the Electrical System section of VFSS by MSIS.

The user may access VFED in **U(pdate)** mode to make corrections or additions to an existing VFED. In **U(pdate)** mode, VFED provides room for two additional generators and two additional lines for systems requiring emergency batteries each time it is executed, until the maximum screen image size is reached. Thereafter, VFED provides <u>at least one</u> additional data line for <u>each</u> of the groups of data until the page is filled. Once the page is filled, no additional lines are assigned until data lines are deleted and become available once again for use. Lines may be deleted by blanking them out and pressing **SEND**. Changes made to VFED will automatically be made to VFSS.

The user should place an **"H"** for History or a **"C"** for Current in the STATUS slot for each generator and system requiring emergency batteries being changed or added. Failure to fill the STATUS slot will automatically remove that specification definition from MSIS.

VFED may also be accessed in **R(etrieval)** mode through VFEI or VFSS to see existing electrical systems information concerning a particular vessel. The historical record(s) may be displayed by entering **HISTORY** in the Command Slot.

Blanking the entire line of information, including the STATUS slot, will cause VFED to automatically remove that ship's service or emergency generator data specification definition from MSIS.

   b. <u>Special Processing</u>. None.

```
COMMAND / _____     RESPONSE/PLS ENTER YOUR RESPONSE_____
VFED                        VESSEL FILE ELECTRICAL DETAILS              01JUL86

                                   LAST REVISED:  PORT/ _____ DATE/_____

NAME/ _____     VIN/ _____   CALL/ _____   FLAG/

TOTAL NUM SVC/EMER GENERATORS/ __       EMERGENCY SOURCE OF POWER AVAILABLE?/ Y

              --- SHIPS SERVICE/EMERGENCY GENERATORS ---
                                                 AC/                    STATUS
NUM USE        MANUFACTURER         MODEL      DRIVE  DC VOLT  KW  RPM (C/H)
I (1) _____LIT_____  _____LIT_____   __(2)_  __ __I  __I  _I_ __
_ ____  _____  _____  _____  __ ____  ____ ____ __
_ ____  _____  _____  _____  __ ____  ____ ____ __
_ ____  _____  _____  _____  __ ____  ____ ____ __
EFFECTIVE DATE/ _CD____  NUM HIST RECS/ ___   STATUS: C-CURRENT: H-HISTORY

              --- SYSTEMS REQUIRING EMERGENCY BATTERIES ---
              USE            NUMBER          LOCATION
        _____NARR_____     _I__      _____NARR_____

        _____     ____      _____
        _____     ____      _____
```

FIGURE 6-6.   DATA DEFINITIONS FOR VFED

TABLE 6-6. CODE VALUES FOR VFED

(1) GENERATOR USE

CODE/MAP	EXPLANATION
SERV	SERVICE
EMER	EMERGENCY
AUX	AUXILIARY
NEC	NOT ELSEWHERE CLASSIFIED

(2) GENERATOR, PUMP, WINDLASS/WINCH, AUX THRUSTER - DRIVE TYPE

CODE	MAP	EXPLANATION
AIR	PNEUMAT	PNEUMATIC
ELE	ELECTRIC	ELECTRIC
GTE	GAS TURB	GAS TURBINE
HYD	HYDRAUL	HYDRAULIC
ICE	IC ENG	INTERNAL COMBUSTION
OTH	NEC	NOT ELSEWHERE CLASSIFIED
SEN	ST. ENG	STEAM ENGINE
STU	ST. TURB	STEAM TURBINE

(3) A/C / D/C

CODE
AC
DC

H. Vessel File Fixed Fire Fighting Details -- **VFFF.**

1. **VFFF** Purpose and Description.

    a. Entry, update and retrieval of detailed information
        pertaining to a particular vessel's fixed fire
        fighting systems, including equipment, controls, and
        protective features.

    b. Maintains historical information about a vessel's
        Fixed Extinguishing Systems and Fire Detecting and
        Alarm Systems.

    c. Posts counts and portions of the data to VFSS, Vessel
        File System Summary.

    d. Maps fixed fire fighting information to MIPIP, Marine
        Inspection Pre-Inspection Package and to MICIF,
        Marine Inspection Certificate of Inspection Form.

    e. Figure 6-7 shows the data definitions for VFFF. See
        Table 6-7 for the code values and Enclosure (1) for
        the abbreviation meanings.

    f. The use of VFFF is illustrated with the following
        example sequences entitled: Entering Fixed Fire-
        Fighting Information.

2. Accessing **VFFF.**

    a. Menu. VFFF is normally accessed through VFEI.

    b. Free-Form. VFFF can be accessed through free-form
        with:

        -VFFF,<E, U or R>,VIN=<vessel identification number>

        where:

        E = entry mode
        U = update mode
        R = retrieval mode
        VIN = vessel identification number

        EXAMPLE:

        -VFFF,E,VIN=DN045691

    c. Selection From Other Products. VFFF may be accessed
        from VFSS.

    d. Product Use Authority Levels.

        Retrieval - 1   Entry/Update - 2

6.H.3. **VFFF** Data Entry Requirements and Explanation.

    a. General Processing. The user accesses VFFF through
VFEI or VFSS using a VIN. VFFF responds with slots
for General Data, Hose Details, Fixed Extinguishing
Systems, Fire Detecting and Alarm Systems, Tank
Vessel Supplement and Special Fire-Fighting Proce-
dures or Hazards information. Both the Fixed Extin-
guishing Systems and Fire Detecting and Alarm System
data groups require that the STATUS slots be filled.
The user must enter an **"H"** for History or a **"C"** for
Current in the STATUS slot for each entry made in
these data groups. A failure to enter these codes
will result in the removal of the fixed
extinguishing or fire detecting and alarm system
specification from MSIS.

VFFF may also be accessed in **U(pdate)** mode to make
any changes or additions to existing information. VFFF
provides five additional lines each to both the Fixed
Extinguishing Systems, and the Fire Detecting and Alarm
Systems data groups each time they are
executed, until the maximum screen image size
is reached. Thereafter, VFFF provides at
least one additional line for each of these
groups, until the page is filled. Once the
page is filled, no additional lines are
assigned until data lines are deleted and
become available once again for use. Lines may
be deleted by blanking them out and pressing
SEND. The same requirement for entering **"C"**
or **"H"** in the STATUS slots pertains to changes
or additions made in update mode. Changes or
additions to VFFF are automatically made in
VFSS.

VFFF may also be accessed in **R(etrieval)** mode
through VFEI using a VIN or through VFSS to
view existing fixed fire fighting details.
Blanking the entire line of information, including
the STATUS slot, will cause VFFF to automatically
remove that fixed extinguishing or fire detecting
and alarm system specification definition from MSIS

    b. Special Processing. The number of fire pumps
displayed in the General Data section of VFFF is
mapped from VFPD, Vessel File Pump Details. It is
the count of the number of pumps listed with the
primary function of fire-fighting. This number can
only be corrected through the use of VFPD.

VFFF   VESSEL FILE FIXED FIRE FIGHTING DETAILS   13JAN92

                                     LAST REVISED: PORT/ _____ DATE/ _____

NAME/ _____ VIN/ _____ CALL/ _____ FLAG/ __

                          --- GENERAL DATA ---
NUMBERS OF: HOSE STATIONS/ I FIRE AXES/ I FIREMAN OUTFITS/ I BREATHING APP/ I
FIRE PUMPS: NUM OF/ __ LOCATION/ ____NARR_____
STRUCTURAL FIRE PROTECTION: PRESENT?.../ Y PLAN NUMBER/ ____NARR__
NUMBER OF VERTICAL ZONE BULKHEADS......./ I
SHIPBOARD LOCATION OF FIRE CONTROL PLANS/ _____NARR_____

                          --- HOSE DETAILS ---
NUMBER OF NOZZLES / APPLICATORS   NUMBER OF HOSES   LINED UNLINED
1.5 INCH COMB. NOZZLES...../ I   1.5 INCH - 50 FT LENGTHS I   I
2.5 INCH COMB. NOZZLES...../ I   1.5 INCH - 75 FT LENGTHS I   I
STR STREAM NOZZLES (TOTAL)./ I   1.5 INCH -OIS3 FT LENGTHS I   I
NUMBER OF APPLICATORS....../ I   2.5 INCH - 50 FT LENGTHS I
                                       2.5 INCH - 75 FT LENGTHS I
                                       2.5 INCH -OIS3 FT LENGTHS I
                                       TOTAL HOSE LENGTH/ _____

                --- FIXED EXTINGUISHING SYSTEMS ---
                                           # REL.   STATUS
         SPACE PROTECTED   AGENT   CAP. STA TYPE MANUFACTURER (C/H)
____NARR_____ __(1)___ I   I _(3)_ ___LIT_____ _
_____ _____ ___ __ ____ _____ _
_____ _____ ___ __ ____ _____ _
_____ _____ ___ __ ____ _____ _
_____ _____ ___ __ ____ _____ _

EFFECTIVE DATE/ ___CD___ NUM HIST RECS/ ___   STATUS: C-CURRENT; H-HISTORY

             --- FIRE DETECTING AND ALARM SYSTEMS ---   STATUS
         SPACE PROTECTED   DETECTOR TYPE   MANUFACTURER   (C/H)
____NARR_____   ___(4)_____   ___LIT_____ _
_____   _____   _____ _
_____   _____   _____ _
_____   _____   _____ _

EFFECTIVE DATE/ ___CD___ NUM HIST RECS/ __   STATUS: C-CURRENT; H-HISTORY

                   --- TANK VESSEL SUPPLEMENT ---
FUEL FLASHPOINT(DEGREES F)........../ I   INERT GAS SYSTEM TYPE / ___(6)_____
CARGO VENT DISTANCE FROM HOUSE...../ I   CARGO VENT HEIGHT...../ I
TYPE OF HOUSE-FRONT FIRE PROTECTION/ (2) CARGO TANK HEATER TYPE/ ___(5)_____

           --- SPECIAL FIRE FIGHTING PROCEDURES OR HAZARDS ---
____ ___NARR_____
_____
_____
_____

                FIGURE 6-7. DATA DEFINITIONS FOR VFFF

TABLE 6-7. CODE VALUES FOR VFFF

(1) AGENT

CODE		**MAPPED**	**EXPLANATION**
CO	–	CO2	
DC	–	DRY CHEM	
FM	–	FOAM	
FP	–	FOAM POLAR	
HA	–	HALON	
ST	–	STEAM	
WR	–	WATER	
NC	–	NOT CLASSED	

(2) HOUSE FRONT FIRE PROTECTION

CODE		**MAPPED**	**EXPLANATION**
A60	–	A60CLASS A, 60 MINUTES BEFORE	250 F(OVERALL)/325F
		(SINGLE POINT ABOVE ORIGINAL	
A0	–	A0 0 MINUTES, NO INSULATION	
OTH	–	OTHOTHER, A-30, A-15, CLASS B, CLASS C	

(3) REL. TYPE

CODE		**MAPPED**	**EXPLANATION**
AUTO	–	AUTO	AUTOMATIC
MAN	–	MAN	MANUAL

(4) DETECTOR TYPE

CODE		**MAPPED**	**EXPLANATION**
FLM	–	FLAME	
FUS	–	FUSIBLE	
ION	–	IONIZATION	
MAN	–	MANUAL	
P-E	–	PHOTO-ELECT	
ROR	–	RATE OF RISE	
SMK	–	SMOKE-C02	
TMP	–	TEMP	
OTH	–	NOT CLASSED	

TABLE 6-7. CODE VALUES FOR VFFF (continued)

(5)   CARGO TANK HEATER

CODE	MAPPED	EXPLANATION
EE	- EXT EXCHANGE	
TH	- TANK HEATER	
UN	- UNCONVENTIONAL	
NO	- NONE	

(6)   INERT GAS SYSTEM TYPE

CODE	MAPPED	EXPLANATION
CMB	- COMBINATION	
EGS	- EXHAUST GAS	
GGE	- GAS GENERATOR	
GSH	- GAS STORAGE	
OTH	- OTHER	

I. Vessel File Portable Fire-Fighting Details -- **VFPF.**

   1. **VFPF** Purpose and Description.

      a. Entry, update and retrieval of information pertaining
          to the portable or semi-portable fire extinguishers
          for a particular vessel.

      b. Posts counts of portable and semi-portable fire-
          fighting equipment to VFSS, Vessel File System
          Summary.

      c. Maps portable fire-fighting equipment information to
          MICOI, Marine Inspection Certificate of Inspection
          Proxy and MICIF, Marine Inspection Certificate of
          Inspection Form.

      d. Maps portable and semi-portable fire-fighting
          equipment information to MIPIP, Marine Information
          Pre-Inspection Package.

      e. Figure 6-8 shows the data definitions for VFPF. See
          Table 6-8 for the code values and Enclosure (1) for
          the abbreviation meanings.

      f. The use of VFPF is illustrated in the following
          example sequence entitled: Entering Portable Fire-
          Fighting Information.

   2. Accessing **VFPF.**

      a. Menu. VFPF is normally accessed through VFEI.

      b. Free-Form. VFPF can be accessed through free-form
          with:

          -VFPF,<E, U, or R>,VIN=<vessel identification number>

          where:

          E = entry mode
          U = update mode
          R = retrieval mode
          VIN = vessel identification number

          EXAMPLE:

          -VFPF,R,VIN=CG000320

      c. Selection From Other Products. VFPF may be accessed
          from VFSS.

      d. Product Use Authority Levels.

          Retrieval - 1   Entry/Update - 2

6.I.3. **VFPF** Data Entry Requirements and Explanation.

a. General Processing. The user accesses VFPF through
    VFEI or VFSS to enter portable and semi-portable
    fire extinguishers for a particular vessel. In
    E(ntry) mode, VFPF responds with a blank summary of
    the vessel's portable fire-fighting equipment, one
    paragraph for listing spare portable charges, up
    to six groups, on hand for the vessel's fire
    extinguishers, a narrative paragraph for comments
    for the COI, and fifty (50) blank lines for the
    entry of the fire extinguisher information. The
    spare Portable Charges paragraph contains slots for
    Agent, Number and Capacity. The narrative
    paragraph provides three blank lines for the entry
    of text to be printed on the COI. Each of the 50
    lines contains slots for Space Protected, Number
    and Class Required and On Hand and the Agent used.
    Only the Agent slots are controlled by edit values.
    The user may access VFPF in **U(pdate)** mode to make
    corrections or additions to existing data.
    In **U(pdate)** mode, VFPF responds with the summary of
    portable fire fighting equipment charges paragraph,
    the narrative paragraph, and a total of fifty (50)
    lines for fire extinguisher information, either
    filled with data or blank. The user may then either
    change existing information or add more fire extin-
    guishers to the vessel's VFPF. Information on a
    portable fire extinguisher may be deleted from VFPF
    by blanking out all of the slots on that line and
    pressing **SEND**. This action removes that portable
    fire extinguisher from the vessel's record.
    VFPF may also be accessed an **R(etrieval)** mode through
    VFEI to see existing portable and semi-portable fire
    extinguisher information concerning a particular
    vessel.

    VFPF functions with **MORE** logic in all three modes
    when more than one screen image (50 lines) of portable
    fire extinguishers exists. In **E(ntry)** and
    U(pdate) modes, the user receives the message "PLS
    ENTER YOUR RESPONSE" in the Response Slot and has the
    following four options: (1) press **SEND** with a blank
    in the Command Slot to receive the message "KEY MORE
    FOR NEXT PAGE" and then enter **MORE**, press **SEND** to
    receive the next product on the queue, enter a free-
    form command or ABORT; (2) enter **MORE** and press **SEND**
    to display the next page; (3) enter a free-form
    command and press **SEND** to bring up another product;
    or (4) **ABORT** to halt execution of VFPF. Please note
    that aborting on the second page of VFPF does not

6.I.3.a. (Cont'd) cancel the filing of the first page. Pressing
SEND to bring up the second page automatically files
the first page of entries.

In **R(etrieval)** mode, VFPF displays the first fifty
(50) portable fire extinguishers along with the
message "KEY MORE FOR NEXT PAGE" in the Response
Slot. The user may then enter **MORE** and press **SEND** to
view the next page.

b. Special Processing. None.

```
COMMAND / _____     RESPONSE/PLS ENTER YOUR RESPONSE
VFPF                  VESSEL FILE PORTABLE FIRE FIGHTING DETAILS            02APR86

                                         LAST REVISED:  PORT/ _____ DATE/_____

NAME/ _____  VIN/ _____  CALL/ _____  FLAG/

              _____ A-II     _____ B-I     _____ B-II     _____ B-III
              _____ B-IV     _____ B-V     _____ C-I      _____ C-II

                       --- SPARE PORTABLE CHARGES ---
      AGENT       NUM. CAP.          AGENT      NUM. CAP.           AGENT      NUM. CAP.
   ____(1)____    _I_  _I_       _____  __  ___       _____  __  ___

   _____  ___  ___        _____  __  ___       _____  __  ___

          --- ENTER TEST BELOW AS IT SHOULD APPEAR ON THE COI, IE: ---
             2, B-II  REQUIRED ONLY DURING TRANSFER OF CARGO OR
                OPERATION OF MACHINERY.
             _____NARR

              _____
              _____

          --- FIRE EXTINGUISHERS - HAND PORTABLE AND SEMI-PORTABLE ---
                                    -REQUIRED-      --------ON HAND--------
             SPACE PROTECTED        NUM  CLASS      NUM  CLASS      AGENT
   _____NARR_____   _I_  _(2)_      _I_  _(2)_    ____(1)____

   _____ ___  _____      ___  _____   _____
   _____ ___  _____      ___  _____   _____
```

FIGURE 6-8. DATA DEFINITIONS FOR VFPF

TABLE 6-8. CODE VALUES FOR VFPF

(1) AGENT

CODE	MAP
CO	CO2
DC	DRY CHEM
FM	FOAM
FP	FOAM POLAR
HA	HALON
ST	STEAM
WR	WATER
NC	NOT CLASSED

(2) CLASS

CODE	MAP
A2	A-II
B1	B-I
B2	B-II
B3	B-III
B4	B-IV
B5	B-V
C1	C-I
C2	C-II

J. Vessel File Hull Details -- **VFHD.**

   1. **VFHD** Purpose and Description.

       a. Entry, update and retrieval of detailed information
           about a vessel's hull construction and features,
           decks, fittings, and water tight doors.

       b. Portions of the data are displayed on VFSS, Vessel
           File System Summary.

       c. Locks the Hull Material slot for a documented vessel.
           This information must be entered on VDER (Vessel
           Documentation Element Record).

       d. Maps data to MIPIP, Marine Inspection Pre-Inspection
           Package, MICIF, Marine Inspection Certificate of
           Inspection Form, and VDCDF, Vessel Documentation
           Certificate of Documentation Form.

       e. Figure 6-9 shows the data definitions for VFHD. See
           Table 6-9 for the code values and Enclosure (1) for
           the abbreviation meanings.

   2. Accessing **VFHD.**

       a. Menu. VFHD is normally accessed through VFEI.

       b. Free-Form. VFHD can be accessed through free-form
           with:

           -VFHD,<E, U or R>,VIN=<vessel identification number>

           where:

           E = entry mode
           U = update mode
           R = retrieval mode
           VIN = vessel identification number

           EXAMPLE:

           -VFHD,E,VIN=L6726620

       c. Selection From Other Products. VFHD may be accessed
           from VFSS.

       d. Product Use Authority Levels.

           Retrieval - 1   Entry/Update - 2

6.J.3.   **VFHD** Data Entry Requirements and Explanation.

    a. General Processing. VFHD is accessed through VFEI or
        VFSS using a VIN to enter information about a vessel's
        hull construction and details. When this
        information is entered the hull system section of
        VFSS is automatically updated.

        VFHD may also be accessed in **U(pdate)** mode to make
        any changes or additions to existing information. If
        a VFHD record already exists for a vessel, MSIS will
        put the user into **U(pdate)** mode. Changes or addi-
        tions to VFHD will also be made in VFSS. VFHD may
        also be accessed in **R(etrieval)** mode through VFEI or
        VFSS to view existing hull details.

        For documented vessels, only VDER (Vessel Documentation
        Element Record) may be used to enter Hull
        Material information. However, this information does
        not appear on VFHD until the associated VDAR is
        validated.

    b. Special Processing. VFHD is locked to any update
        when VDER is being modified for a documented vessel.
        The user receives the message "VDER Being Updated -
        VFHD Locked" while the documentation case is open.
        The user may enter hull information on either VFSS or
        VDER (for documented vessels). This data is mapped
        to VFHD when it is requested in update mode and data
        is added or changed. If the user requests VFHD in
        retrieval mode before accessing it in update mode
        (and adding or changing data), the message "Requested
        Info Not Available" appears.

```
COMMAND /  _____     RESPONSE/PLS ENTER YOUR RESPONSE_____
VFHD                          VESSEL FILE HULL DETAILS                     01JUL86


                                    LAST REVISED:  PORT/ _____ DATE/_____

NAME/ _____     VIN/ _____   CALL/ _____   FLAG/


HULL MATERIAL./ _____(1)_____   HULL TYPE...../ (2)     SCANT REDUCED?/ Y
CORROSION CONT/ _____(3)_____  DOUBLE SIDES./ (4)      FOREBODY....../ (5)
RUDDER TYPE.../ _____(6)_____ DOUBLE BOTTOM/ (7)      TYPE CONSTRUCT/ (8)
NUM OF RUDDERS/ I               FLANK RUDDER?/ Y         ICE STRENGTH?./ Y
DECK FRAMING../ (9)             SIDE FRAMING./ (9)       BOTTOM FRAMING/ (9)


            --- DECKS, FITTINGS AND WATERTIGHT INTEGRITY ---
NUMBER OF DECKS..../ I                  BULKHEAD MATERIAL./ _____(1)
NUMBER OF HATCHES../ I
TYPE HATCH COVERS../ ___(10)_____       WATERTIGHT DOORS..  HULL   MACH
TYPE HATCH FASTENER/ _____(11)____        NUM CLASS 1.....  _I    _I
NUM TRANS BULKHEADS/ I                    NUM CLASS 2.....  __    __
NUM LONG BULKHEADS./ I                    NUM CLASS 3.....  __    __


FEATURES..../ _____ NARR _____
            _____


            FIGURE 6-9.  DATA DEFINITIONS FOR VFHD
```

TABLE 6-9. CODE VALUES FOR VFHD

(1) BULKHEAD MATERIALS

CODE		MAPPED	EXPLANATION
AL	-	ALUMINUM	
BZ	-	BRONZE	
CC	-	CONCRETE	
CU	-	COPPER	
DI	-	DUCTILE IRN	
FE	-	IRON	
FRP	-	FRP	
HS	-	HS STEEL	
IN	-	IRON NICKEL	
OT	-	OTHER	
PL	-	PLASTIC	
SS	-	STAINLESS	
ST	-	STEEL	
WD	-	WOOD	

(2) HULL TYPE

CODE		MAPPED	EXPLANATION
1	-	I	46CFR151, 46CFR153
2	-	II	46CFR151, 46CFR153
3	-	III	46CFR151, 46CFR153
1S	-	IS	46CFR151
1G	-	IG	46CFR154
2G	-	IIG	46CFR154
3G	-	IIIG	46CFR154
2P	-	IIPG	46CFR154
NC	-	NOT ELSEWHERE CLASSIFIED	

(3) CORROSION CONTROL

CODE		MAPPED	EXPLANATION
ANC	-	ANODE-NO COAT	
AWC	-	ANODE-COATING	
COT	-	COATING ONLY	
IMC	-	IMP CURRENT	
NEC	-	CONTROL-NEC	
NON	-	NONE	

TABLE 6-9. CODE VALUES FOR VFHD (continued)

(4) DOUBLE SIDES

CODE	MAPPED	EXPLANATION
NA	NONE - NO DOUBLE SIDES	
NT	NON TIGHT	
WT	WATER TIGHT	

(5) FOREBODY

CODE	MAPPED	EXPLANATION
BULB	BULBOUS BOW	
DBOX	DOUBLE BOX END - BARGES	
DRAKE	DOUBLE RAKE END - BARGES	
SBOX	SINGLE BOX END - BARGES	
VEE	CONVENTIONAL "V" SHAPE	

(6) RUDDER TYPE

CODE	MAPPED	EXPLANATION
ACT	- ACTIVE	
BAL	- BALANCED	
KOR	- KORT NOZZLE	
OTH	- UNCONVENTIONAL	
SGL	- SINGLE PLATE	
SPD	- SPADE	
UBA	- UNBALANCED	

(7) DOUBLE BOTTOM

CODE	MAPPED	EXPLANATION
FULL		FULL DOUBLE BOTTOM
NONE		NO DOUBLE BOTTOM
PART		PARTIAL DOUBLE BOTTOM

TABLE 6-9. CODE VALUES FOR VFHD (continued)

(8) CONSTRUCTION TYPE

CODE		MAPPED	EXPLANATION
C	-	COMP.	COMPOSITE (FIBERGLASS/PLASTIC)
G	-	GLUED	
N	-	NAILED	
R	-	RIVETED	
S	-	SCREWED	
U	-	UNCONV	UNCONVENTIONAL
W	-	WELDED	
X	-	COMBINA	COMBINATION OF WELD & RIVET

(9) DECK/SIDE/BOTTOM FRAMING

CODE	MAPPED	EXPLANATION
COMB		LONGITUDINAL FRAMING
LONG		TRANSVERSE FRAMING
TRAN		VERTICAL FRAMING
VERT		COMBINATION FRAMING

(10) TYPE HATCH COVERS

CODE		MAPPED	EXPLANATION
BC	-	BATTN-CLEATS	
ED	-	EXP DOME	
HY	-	HYDRAULIC	
ME	-	MECHANICAL	
OH	-	OPEN HOPPER	
OT	-	OIL TIGHT	
PO	-	PONTOON	
RC	-	ROLLER COVER	
SL	-	SLIDING LEAF	
UN	-	UNCLASSIFIED	

(11) TYPE HATCH FASTENER

CODE		MAPPED	EXPLANATION
AC	-	AUTOMATIC CAM	
MC	-	MULHOLLAND CLA	
TB	-	TOGGLE BOLT	
UN	-	UNCLASSIFIED	

K. Vessel File Lifesaving Details -- **VFLS**.

    1. **VFLS** Purpose and Description.

        a. Entry, update and retrieval of detailed information
            about a vessel's lifesaving equipment, lifeboat
            launching apparatus, liferafts and lifefloats, and
            lifeboats, workboats and rescue boats.

        b. Builds and maintains an historical record of the
            lifesaving system and displays the historical record
            on request.

        c. Posts lifesaving equipment counts and the total
            capacity in persons these devices provide to a
            vessel's VFSS, Vessel File System Summary.

        d. Maps data to MIPIP, Marine Inspection Pre-Inspection
            Package and to MICIF, Marine Inspection Certificate
            of Inspection Form.

        e. Figure 6-10 shows the data definitions for VFLS. See
            Table 6-10 for the code values and Enclosure (1) for
            the abbreviation meanings.

    2. Accessing **VFLS**.

        a. Menu. VFLS is normally accessed through VFEI.

        b. Free-Form. VFLS can be accessed through free-form
            with:

            -VFLS,<E, U, or R>,VlN=<vessel identification number)

            where:

            E = entry mode
            U = update mode
            R = retrieval mode
            VIN = vessel identification number

            EXAMPLE:

            -VFLS,R,VIN=L5137949

        c. Selection From Other Products. VFLS may be accessed
            from VFSS.

        d. Product Use Authority Levels.

            Retrieval - 1   Entry/Update - 2

6.K.3. **VFLS** Data Entry Requirements and Explanation.

    a. General Processing. The user accesses VFLS
through VFEI or VFSS to enter information about a
vessel's lifesaving system, including up to six
(6) davits, five (5) liferafts, lifefloats and
buoyant apparatus and five (5) lifeboats,
workboats and rescue boats. A **"C"** for Current
should be placed in the STATUS slot for each
entry in these three groups. The lifesaving
equipment and total capacity counts entered into
VFLS are automatically entered into the
Lifesaving System section of VFSS by MSIS.
The user may access VFLS in **U(pdate)** mode to make
corrections or additions to an existing VFLS.
In **U(pdate)** mode, VFLS provides room for
five (5) additional davits, five (5)
additional liferafts, lifefloats and bouyant
apparatus and five (5) additional lifeboats,
workboats and rescue boats each time it is
executed, until the maximum screen image size
is reached. Thereafter, VFLS provides <u>at
least one</u> additional data line for <u>each</u> of
the groups of data until the page is filled.
Once the page is filled, no additional lines
are assigned until data lines are deleted and
become available once again for use. Lines
may be deleted by blanking them out and
pressing **SEND**. Changes made to VFLS will
automatically be made to VFSS.

    The user should place an **"H"** for History or a **"C"**
for Current in the STATUS Slot for each davit,
liferaft, lifefloat, buoyant apparatus,
lifeboat, workboat, and rescue boat
specification being changed or added.
Failure to fill the STATUS Slot will
automatically remove that specification
definition from MSIS.

    VFLS may also be accessed in **R(etrieval)** mode
through VFEI or VFSS to see existing
lifesaving systems information concerning a
particular vessel. The historical record(s)
may be displayed by entering **HISTORY** in the
Command Slot.

    b. Special Processing. None.

LAST REVISED: PORT/ _____ DATE/ _____

NAME/ _____ VIN/ _____ CALL/ _____ FLAG/

	NUMBER	PERSONS		REQUIRED
TOTAL EQUIPMENT FOR		__I__	LIFE PRESERVERS(ADULT)....	__I__
LIFEBOATS(TOTAL).........__I__		____	LIFE PRESERVERS(CHILD)....	____
LIFEBOATS(PORT)*.....	__	____	RING BUOYS(TOTAL).........	____
LIFEBOATS(STARBD)*...	__	____	WITH LIGHTS*............	____
MOTOR LIFEBOATS*.....	__	____	WITH LINE ATTACHED*.....	____
LIFEBOATS W/RADIO*...	__	____	OTHER*..................	____
RESCUE BOATS/PLATFORMS.	__		IMMERSION SUITS...........	____
INFLATABLE RAFTS.......	__	____	PORTABLE LIFEBOAT RADIOS..	____
LIFE FLOATS/BUOYANT APP	__	____	EPIRB....................	Y
WORKBOATS (NOT REQUIRED)	__	____	(* INCLUDED IN TOTALS)	

--- DISENGAGING AND LAUNCHING APPARATUS ---

	TYPE	MANUFACTURER
DAVITS......................	_(1)_	___LIT___
WINCHES.....................	_(2)_	_____
DISENGAGING APPARATUS.......	_(7)_	_____

BOAT NUM	DAVIT SERIAL	WINCH SERIAL	STATUS (C/H)	BOAT NUM	DAVIT SERIAL	WINCH SERIAL	STATUS (C/H)
_I_	__LIT__	__LIT__	_	_I_	__LIT__	__LIT__	_
__	_____	_____	_	__	_____	_____	_

EFFECTIVE DATE/ __CD___ NUM HIST RECS/ _M_ STATUS: C-CURRENT; H-HISTORY

--- LIFE RAFTS, LIFEFLOATS, AND BUOYANT APPARATUS ---

Q NUMBER	MANUFACTURER	SERIAL/LOT	MAT'L	TYPE	CAP	DATE BUILT	STATUS (C/H)
QNUM	____LIT____	__LIT__	_(4)_	_(5)_	_I_	__CD__	_
_____	_____	_____	____	____	___	_____	_

EFFECTIVE DATE/ __CD___ NUM HIST RECS/ __ STATUS: C-CURRENT; H-HISTORY

--- LIFEBOATS ---

PORTABLE LIFEBOAT RADIO LOCATION/ _____NARR

BOAT NUM	LOC.	MANUFACTURER	MODEL NUM	MATL	BOAT TYPE	PROP TYPE	LEN.	CAP	DATE BUILT	STATUS (C/H)
_I_	_(6)_	___LIT___	_LIT_	_(4)_	_(7)_	_(8)_	_I_	_I_	__CD__	_
__	____	_____	_____	____	____	____	__	___	_____	_
__	____	_____	_____	____	____	____	__	___	_____	_

EFFECTIVE DATE/ __CD___ NUM HIST RECS/ __ STATUS: C-CURRENT; H-HISTORY

--- RESCUE BOATS ---

BOAT NUM	LOC.	MANUFACTURER	MODEL NUM	MATL	BOAT TYPE	PROP TYPE	LEN.	CAP	DATE BUILT	STATUS (C/H)
_I_	_(6)_	___LIT___	_LIT_	_(4)_	_(7)_	_(8)_	_I_	_I_	__CD__	_
__	____	_____	_____	____	____	____	__	___	_____	_
__	____	_____	_____	____	____	____	__	___	_____	_

EFFECTIVE DATE/ __CD___ NUM HIST RECS/ __ STATUS: C-CURRENT; H-HISTORY

--- WORKBOATS ---

BOAT NUM	LOC.	MANUFACTURER	MODEL NUM	MATL	DATE BUILT	STATUS (C/H)
_I_	_(6)_	___LIT___	_LIT_	_(4)_	__CD__	_
__	____	_____	_____	_____	_____	_
__	____	_____	_____	_____	_____	_

EFFECTIVE DATE/ __CD___ NUM HIST RECS/ __ STATUS: C-CURRENT; H-HISTORY

--- LINE-THROWING APPLIANCES ---

TYPE	MANUFACTURER
_(9)_	___LIT___
_____	_____

FIGURE 6-10.   DATA DEFINITIONS FOR VFLS

TABLE 6-10. CODE VALUES FOR VFLS

(1) DAVIT TYPE

CODE		MAPPED	EXPLANATION
GRAV	-	GRAV	GRAVITY
MECH	-	MECH	MECHANICAL
NONE	-	NONE	NONE
OTHR	-	OTHR	OTHER
RADL	-	RADL	RADIAL

(2) WINCH TYPE

CODE		MAPPED	EXPLANATION
G	-	GROOVED	
S	-	SMOOTH	
U	-	UNCLASD	

(3) DISENGAGING APPARATUS

CODE		MAPPED	EXPLANATION
M	-	MILLS	
R	-	ROTTMER	
S	-	STEWART	
U	-	UNCLASD	

(4) MATERIAL

CODE		MAPPED	EXPLANATION
ALUM	-	ALUM	Aluminum
FRP	-	FRP	Fiber reinforced plastic
STEEL	-	STEEL	
WOOD	-	WOOD	
FAB	-	FABRICATED (RUBBER)	

TABLE 6-10. CODE VALUES FOR VFLS (continued)

(5) LIFE RAFT, LIFEFLOAT & BUOYANT APPARATUS TYPE

CODE	MAPPED	EXPLANATION
A	- A	TYPE A LIFE RAFT
B	- B	TYPE B LIFE RAFT
DAVT	- DAVT	DAVIT-LAUNCHED LIFE RAFT
DUAL	- DUAL	DUAL-LAUNCHED LIFE RAFT
FLFR	- FLFR	FLOAT-FREE LIFE RAFT
INFL	- INFL	INFLATABLE
REV	- REV	REVERSIBLE
SRIT	- SRIT	SELF-RIGHTING LIFE RAFT

(6) LIFEBOATS, WORKBOATS, AND RESCUE BOATS: LOCATION

CODE	MAPPED	EXPLANATION
BOW	- BOW	Bow
PORT	- PORT	Port Side,
STBD	- STBD	Starboard Side
STRN	- STRN	Stern

(7) TYPE

CODE	MAPPED	EXPLANATION
CAP	- CAP	Capsule
OPEN	- OPEN	Open to the sea

(8) PROPULSION TYPE

	CODE	MAPPED	EXPLANATION
HAND	- HAND		Hand propelled
MOTR	- MOTR		Mechanically propelled
NONE	- NONE		No means of propulsion
OAR	- OAR		

TABLE 6-10. CODE VALUES FOR VFLS (continued)

(9) LINE-THROWING APPLIANCE TYPE

<u>CODE</u>		<u>MAPPED</u>	<u>EXPLANATION</u>
RH	–	ROCKET HAND	
RR	–	ROCKET RAIL	
SH	–	SHOULDER	

L. Vessel File MARPOL Reception-- **VFMR**.

1. **VFMR** Purpose and Description.

    a. Allows you to enter, modify, or display information
        about the MARPOL reception capabilities of vessels
        that are terminals for a certified MARPOL reception
        facility.

    b. Identifies the certified MARPOL reception facility
        with which a vessel is associated.

    c. Figure 6-11 shows an example of the VFMR entry/update
        screen.

    NOTE: A vessel identified through VFMR as a MARPOL
        reception terminal must have been identified previously
        through VFID (Vessel File Identification Data).

2. Accessing **VFMR**.

    a. Menu. VFMR may be accessed through VFEI (Vessel File
        Entry Index).

    b. Free-Form. VFMR can be accessed through free-form
        with:

        -VFMR,<E,U, or R),VIN<Vessel ID Number)

        where:

        E = entry mode
        U = update mode
        R = retrieval mode
        VIN = vessel identification number

        EXAMPLE:

        -VFMR,U,VIN=L5369499

    c. Selection From Other Products. VFMR can be selected
        from FFPS (Facility File Particulars Summary) for
        facilities with a category of "MARPOL Reception" who
        have vessels as terminals.

    d. Product Use Authority Levels.

        Retrieval - 1   Entry/Update - 2

3. **VFMR** Data Entry Requirements and Explanation.

    a. General Processing. VFMR allows you to enter
        information about the capabilities of vessels that
        are terminals for a MARPOL reception facility.

6.L.3. a. (1) Screen images. VFMR's screen image includes a
                 header section with two paragraphs, and a data
                 section with three paragraphs.

            (a) Header paragraphs.

                 [1] The first header paragraph (LAST
                      REVISED paragraph) presents the date
                      of the last revision to the MARPOL
                      reception information for the
                      specified vessel and the port that
                      made the revision.

                 [2] The second paragraph displays the
                      vessel's name, VIN, call sign, and
                      flag.

            (b) Data paragraphs.

                 [1] The first data paragraph allows you to
                      specify the certified MARPOL reception
                      facility with which the vessel is
                      associated or linked.

                 [2] The second data paragraph allows you
                      to enter information about the MARPOL
                      reception capabilities of the
                      specified vessel. It includes
                      sections for three types of MARPOL
                      annexes:

                      [a] Annex I (Oil). The screen image
                           includes slots for the vessel's
                           total daily capacity and transfer
                           rate for oily residue and oily
                           ballast.

                      [b] Annex II (NLS). The screen
                           displays the vessel's total daily
                           capacity for each approved
                           category (A-D) of noxious liquid
                           substances (NLS).

                      [c] Annex V (Garbage). The screen
                           image indicates whether the
                           vessel is APHIS certified.

                 [3] The Comment paragraph initially
                      includes three lines for narrative
                      comments, but expands as needed to
                      allow up to 20 comment lines. Every
                      time you reinvoke VFMR for a
                      specific vessel in entry or
                      update mode, VFMR

6.L.3. a. (1) (b) [3](Cont'd) presents any comments entered
                    previously and two additional blank
                    comment lines.

           (2) APHIS certification. If you do not enter a
                value for APHIS certification, VFMR defaults
                APHIS certification for the vessel to "No".

           (3) Valid VIN. You must enter a valid VIN when
                selecting VFMR from VFEI or through free-
                forming. If you enter an invalid VIN, VFMR
                presents the message "VIN NOT KNOWN:XXXXXXXX"
                where XXXXXXXX comprises the VIN, and halts
                execution.

           (4) Retrieval mode.

                (a) If no MARPOL reception data exist for the
                     specified VIN, VFMR sends the message
                     "REQUESTED INFO NOT AVAILABLE" and halts
                     execution.

           (5) Entry/Update mode.

                (a) Entering and updating dat. You may enter,
                     modify, or delete data about a vessel's
                     MARPOL reception capabilities. If no
                     MARPOL reception data exist for the
                     specified VIN, VFMR formats the screen
                     image with blank data slots. IF MARPOL
                     data exist for the vessel, you may modify
                     as needed.

                (b) Facility linkage. When you enter a
                     vessel's MARPOL reception data for the
                     first time, VFMR adds this information to
                     the database record for the certified
                     MARPOL facility to which the vessel is
                     associated.

                (c) MARPOL linkage changes. You may change the
                     certified MARPOL reception facility to
                     which a vessel is linked. Type over the
                     current facility's FIN with the new FIN.

                (d) KILL processing. VFMR allows you to
                     remove MARPOL data for a vessel with the
                     KILL function. This deletes only MARPOL
                     data for the vessel, not the vessel's
                     identification record or other vessel
                     data. When you enter **KILL** in the Command
                     line and press **SEND**, VFMR deletes MARPOL
                     data for the vessel from the database.

6.L.3. a. (5) (e) <u>Data requirements</u>.

              [1] You must associate the specified
                      vessel to a MARPOL reception facility
                      or **KILL** the vessel's VFMR entry.

              [2] When you specify a FIN for the MARPOL
                      reception facility to which a vessel
                      is associated, the FIN must be valid
                      and must represent a facility with a
                      category of "MARPOL Reception".

    b. <u>Special processing</u>.

      (1) <u>Last revised</u>. VFMR updates the LAST REVISED
           paragraph with the unit code of the port that
           most recently revised VFMR and the
           present day's date, if you change
           the data in any user-accessible
           data slot. If no changes are made,
           VFMR does not change the LAST
           REVISED paragraph.

      (2) <u>Terminal data update</u>. When you add or delete
           MARPOL reception data for a vessel, VFMR
           adjusts the count of terminals that comprise
           the MARPOL reception facility to which it is
           associated, its capacity for handling the
           various MARPOL substances, and its APHIS
           certification accordingly.

```
COMMAND/ _____  RESPONSE/ _____
VFMR              VESSEL FILE MARPOL RECEPTION                      19APR91

                             LAST REVISED:  PORT/ _____ DATE/ _____

NAME/ _____  VIN/ _____  CALL/ _____  FLAG/__
SERVICE PART OF CERTIFIED MARPOL RECEPTION FACILITY
     LOCAL ID/ _____  FIN/ ___FIN__  NAME/ _____

                   --- MARPOL RECEPTION CAPABILITIES ---
ANNEX I (OIL)

 DAILY CAPACITY (METRIC TONS)/ ___I_____
 TRANSFER RATE:  OILY RESIDUE/ ___I___ GPM
                 OILY BALLAST/ ___I___ GPM

ANNEX II (NLS)

 DAILY CAPACITY (METRIC TONS) FOR EACH APPROVED CATEGORY
    A/ ___I_____  B/ ___I_____  C/ ___I_____  D/ ___I_____

ANNEX V (GARBAGE)

 APHIS CERTIFIED?/ _Y__

                         --- COMMENT ---
 _____NARR_____
 _____
 _____


              FIGURE 6-11   DATA DEFINITIONS FOR VFMR
```

M. Vessel File Miscellaneous Systems -- **VFMS**.

  1. **VFMS** Purpose and Description.

    a. Entry, update and retrieval of information
        concerning various miscellaneous vessel systems
        that are not otherwise included in MSIS. Examples
        of these systems include: diving, cranes, mooring
        and communications.

    b. Posts a count of the number of miscellaneous systems
        entered on VFMS to the vessel's VFSS.

    c. Posts portions of this information to MISD, Marine
        Inspection Status Details. VFMS also maps miscel-
        laneous systems information to MIPIP, Marine Inspec-
        tion Pre-Inspection Package.

    d. Figure 6-12 shows the data definitions for VFMS.
        See Table 6-11 for the code values and Enclosure
        (1) for the abbreviation meanings.

  2. Accessing **VFMS**.

    a. Menu. VFMS is normally accessed through VFEI.

    b. Free-form. VFMS can be accessed through free-form
        with:

        -VFMS,<E, U, or R>,VIN=<vessel identification number>

        where:

        E = entry mode
        U = update mode
        R = retrieval mode
        VIN = vessel identification number

        EXAMPLE:

        -VFMS,U,VIN=CG000255

    c. Selection From Other Products. VFMS may be accessed
        from VFSS.

    d. Product Use Authority Levels.

        Retrieval - 1   Entry/Update - 2

6.M.3. **VFMS** Data Entry Requirements and Explanation.

   a. General Processing. The user accesses VFMS through
       VFEI or VFSS to enter miscellaneous systems informa-
       tion concerning a particular vessel. VFMS responds
       with five (5) blank paragraphs for entering the
       miscellaneous systems data. Each paragraph contains
       slots for entering the system's NAME, MANUFACTURER,
       OWNER, ID NUMBER, MODEL, TYPE, CAPACITY and KEY
       DATES. Both the SYSTEM and CAPACITY - TYPE slots
       are controlled by MSIS edits. VFMS does not
       provide more than one page of paragraphs in **E(ntry**
       mode). The user must file a VFMS and then access
       it in **U(pdate)** mode to receive more blank
       paragraphs.

       The user may access VFMS in **U(pdate)** mode to make
       corrections or additions to existing data. In
       U(pdate) mode, VFMS automatically displays a
       total of five (5) paragraphs, either filled
       with data or blank. The user may then change
       existing miscellane-ous system information or
       add systems to the VFMS. A miscellaneous
       System may be deleted from VFMS by blanking out
       all data slots in that paragraph and pressing
       SEND. This action removes that miscellaneous
       system from a vessel's record.

       VFMS may also be accessed in **R(etrieval)** mode
       through VFEI to see existing miscellaneous
       system information concerning a particular
       vessel.

       VFMS functions with **MORE** logic in **U(pdate)** and
       R(etrieval) modes. In **U(pdate)** mode, VFMS
       automati-cally displays five (5) paragraphs,
       either filled or blank and provides the option
       of requesting more blank lines. The user
       receives the message "Pls Enter Your Response"
       in the Response Slot and has the following
       four options: (1) press **SEND** with a blank in
       the Command Slot to receive the message "KEY
       MORE FOR NEXT PAGE" and then enter **MORE,** press
       SEND to receive the next product on the queue,
       enter a free-form command or **ABORT;** (2) enter
       MORE and press **SEND** to display the next page;
       (3) enter a free-form command and press **SEND**
       to bring up another product; or (4) **ABORT** to
       halt execution of VFMS. Please note that
       aborting on the second page of VFMS does not
       cancel any changes made on the first page.
       Pressing **SEND** to bring up the second page
       automatically files the first page of entries.

6.M.3.a. (Cont'd) In **R(etrieval)** mode, VFMS displays the first
five miscellaneous system paragraphs along with the
message "KEY MORE FOR NEXT PAGE" in the
Response Slot. The user may then enter **MORE**
and press **SEND** to view the next page.

  b. Special Processing. None.

```
COMMAND / _____    RESPONSE/PLS ENTER YOUR RESPONSE_____
VFMS                            VESSEL FILE MISCELLANEOUS SYSTEMS        03APR86

                                  LAST REVISED:  PORT/ _____ DATE/_____

NAME/ _____  VIN/ _____  CALL/ _____  FLAG/

     NUMBER OF MISCELLANEOUS SYSTEMS/ ___

  1. SYSTEM....../ _____(1)_____      ID NUMBER/ _____LIT____
     MANUFACTURER/ _____LIT_____    MODEL..../ _____LIT____
     OWNER......./ _____LIT_____    TYPE...../ _____LIT____

              --- CAPACITY ---
              TYPE    AMOUNT             --- KEY DATES ---
              _(2)_    _I__              INSTALL../ ___CD__
              _____  _____             BUILD..../ ___CD__
              _____  _____             APPROVE../ ___CD__


  2. SYSTEM....../ _____      ID NUMBER/ _____
     MANUFACTURER/ _____      MODEL..../ _____
     OWNER......./ _____      TYPE...../ _____

              --- CAPACITY ---
              TYPE    AMOUNT             --- KEY DATES ---
              _____  _____             INSTALL../ _____
              _____  _____             BUILD..../ _____
              _____  _____             APPROVE../ _____
```

Note: continues on for three (3) more paragraphs

FIGURE 6-12.   DATA DEFINITIONS FOR VFMS

TABLE 6-11. CODE VALUES FOR VFMS

(1) SYSTEM

CODE		MAPPING	EXPLANATION
AUT	-	AUTOMATION	
COM	-	COMMUNICATIONS	
CRA	-	CRANES	
DIS	-	DISTRESSSIGNAL	
DIV	-	DIVING	
FOG	-	FOG HORN	
HEL	-	HELIPORT	
MSD	-	MARINE SANITATION DEVICE	
MOO	-	MOORING	
OBS	-	OBSTRUCTION LIGHTS	
OWS	-	OILY WATER SEPARATOR	
PIL	-	PILOT HOIST	

(2) CAPACITY-TYPE

CODE		MAPPING	EXPLANATION
DEP	-	DEPTH-FT	
GAL	-	GALLONS	
GPD	-	GAL/DAY	
PER	-	PERSONS	
LBS	-	POUNDS	
PPM	-	PARTS PER MILLION	
PSI	-	PSI	
PSIG	-	PSIG	
SWT	-	SWL-LBS	
SWL	-	SWL-TONS	
TON	-	TONS	

N. Vessel File Navigation Details -- **VFND**.

   1. **VFND** Purpose and Description.

      a. Entry, update and retrieval of detailed information
          about a vessel's navigation equipment, communications
          from bridge, and specific equipment identification.

      b. Builds and maintains an historical record of specific
          equipment and displays the record on request.

      c. Posts counts of various navigation devices to VFSS,
          Vessel File System Summary.

      d. Maps data to MIPIP, Marine Inspection Pre-Inspection
          Package and to MICIF, Marine Inspection Certificate
          of Inspection Form.

      e. Figure 6-13 shows the data definitions for VFND. See
          Table 6-12 for the code values and Enclosure (1) for
          the abbreviation meanings.

   2. Accessing **VFND**.

      a. Menu. VFND is normally accessed through VFEI.

1   b. Free-Form. VFND can be accessed through free-form
          with:

          -VFND,<E, U, or R>,VIN=<vessel identification number>

          where:

          E = entry mode
          U = update mode
          R = retrieval mode
          VIN = vessel identification number

          EXAMPLE:

          -VFND,E,VIN=L6726620

      c. Selection From Other Products. VFND may be accessed
          from VFSS.

      d. Product Use Authority Levels.

          Retrieval - 1   Entry/Update - 2

   3. **VFND** Data Entry Requirements and Explanation.

      a. General Processing. The user accesses VFND through
          VFEI or VFSS to enter information about a vessel's
          navigation equipment and bridge communications.

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6.N.3.a. (Cont'd) VFND responds with the Available Equipment and Communications sections and space for up to five (5) pieces of navigation equipment. A **"C"** for Current should be placed in the STATUS slot for each piece of equipment entered on VFND. The available navigation equipment information entered into VFND is automatically entered into the Navigation System section of VFSS by MSIS.

The user may access VFND in **U(pdate)** mode to make corrections or additions to an existing VFND. In **U(pdate)** mode, VFND provides room for two (2) additional pieces of navigation equipment. Once the maximum screen image size is reached, no additional lines are assigned until data lines are deleted and become available once again for use. Lines may be deleted by blanking them out and pressing **SEND**. Changes made to VFND will automatically be made to VFSS.

The user should place an **"H"** for History or a **"C"** for Current in the STATUS slot for each piece of naviga-ion equipment being changed or added. Failure to fill the STATUS slot will automatically remove that piece of equipment from MSIS.

VFND may also be accessed in **R(etrieval)** mode through VFEI or VFSS to see existing navigation systems information concerning a particular vessel. The historical record(s) may be displayed by entering **HISTORY** in the Command Slot.

Blanking the entire line of information, including the STATUS slot, will cause VFND to automatically remove that piece of navigation equipment specifica-tion definition from MSIS.

b. Special Processing. None.

```
COMMAND / _____ RESPONSE/PLS ENTER YOUR RESPONSE
VFND                     VESSEL FILE NAVIGATION DETAILS                 26AUG91

                                       LAST REVISED:  PORT/ NEWMS DATE/ 02JAN91

NAME/ SEALIFT ATLANTIC                    VIN/ D557002   CALL/ WA4012    FLAG/ US

                       --- AVAILABLE EQUIPMENT ---
RADAR........../(1) ANTI-COLL RADAR/(1) RDF............./(1) LORAN RECEIVERS/(1)
FATHOMETER...../(1) MAG COMPASS..../(1) GYRO COMPASS.../(1) GYRO REPEATER../(1)
COURSE RECORDER/(1) OTHER EQUIPMENT/ ____LIT_____

                 --- DESCRIPTION OF COMMUNICATIONS FROM BRIDGE TO ---
ENGINE ROOM/ ____LIT_____ STEER ENG ROOM / ____LIT_____
RADIO ROOM./ ____LIT_____ EMER STEER STAT/ ____LIT_____

                    --- EQUIPMENT IDENTIFICATION ---                   STATUS
EQUIPMENT TYPE        MODEL         MANUFACTURER        SERIAL NUM      (C/H)
    (2)              LIT            LIT                  LIT             (3)
_____   _____   _____   _____    _
_____   _____   _____   _____    _
_____   _____   _____   _____    _
_____   _____   _____   _____    _
_____   _____   _____   _____    _
EFFECTIVE DATE/ __CD*__  NUM HIST RECS/  O  STATUS: C-CURRENT; H-HISTORY
```

* Field must be filled in on initial entry.

FIGURE 6-13.   DATA DEFINITIONS FOR VFND

TABLE 6-12. CODE VALUES FOR VFND

(1) AVAILABLE EQUIPMENT

CODE/MAP	EXPLANATION
0	NUMBER ON BOARD
1	NUMBER ON BOARD
2	NUMBER ON BOARD
3	NUMBER ON BOARD
4	NUMBER ON BOARD
5	NUMBER ON BOARD
6	NUMBER ON BOARD
7	NUMBER ON BOARD
8	NUMBER ON BOARD
9	NUMBER ON BOARD
X	ON BOARD, NO NUMBER SPECIFIED

(2) EQUIPMENT TYPE

CODE	MAP
ACR	ANTI-COLL RADAR
CR	COURSE RECORDER
EPB	EPIRB
FAT	FATHOMETER
GCS	GYRO COMPASS
GRR	GYRO REPEATER
LRR	LORAN RECEIVER
MCS	MAG COMPASS
OTH	OTHER
RAD	RADAR
RDF	RDF

O. Vessel File Propulsion Details -- **VFPP**.

   1. **VFPP** Purpose and Description.

      a. Entry, update and retrieval of detailed information
          about a vessel's propulsion characteristics and
          machinery, including automation, propellers, tail
          shafts, clutches, reduction gears, and main and
          auxiliary propulsion units.

      b. Posts the general propulsion details to VFSS, Vessel
          File System Summary.

      c. Maps data to MIPIP, Marine Inspection Pre-Inspection
          Package and to MICIF, Marine Inspection Certificate
          of Inspection Form.

      d. Figure 6-14 shows the data definitions for VFPP. See
          Table 6-13 for the code values and Enclosure (1) for
          the abbreviation meanings.

   2. Accessing **VFPP**.

      a. Menu. VFPP is normally accessed through VFEI.

      b. Free-Form. VFPP can be accessed through free-form
          with:

          -VFPP,<E, U, or R>,VIN=<vessel identification number

          where:

          E = entry mode
          U = update mode
          R = retrieval mode
          VIN = vessel identification number

          EXAMPLE:

          -VFPP,E,VIN=L6726620

      c. Selection From Other Products. VFPP may be accessed
          from VFSS.

      d. Produce Use Authority Levels.

          Retrieval - 1   Entry/Update - 2

   3. **VFPP** Data Entry Requirements and Explanation.

      a. General Processing. VFPP is accessed through VFEI
          or VFSS using a VIN to enter information about a
          ves-sel's propulsion details, including up to five
          (5) data lines of tailshaft information. A **"C"** for

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6.O.3.a. (Cont'd) Current should be placed in the STATUS slot for
each tailshaft entered on VFPP. When this infor-
marion is entered the propulsion system section of
VFSS is automatically updated.

VFPP may also be accessed in **U(pdate)** mode to make
any changes or additions to existing
information. In **U(pdate)** mode, VFPP rovides
room for two (2) addi-tional lines of
tailshaft information each time it is
executed, until the maximum screen image size
is reached. Once the page is filled, no
additional lines are assigned until data lines
are deleted and become available again for
use. Lines may be deleted by blanking them
out and pressing **SEND**. Changes or additions
to VFPP will also be made in VFSS.

VFPP may also be accessed in **R(etrieval)** mode through
VFEI or VFSS to view existing propulsion system
details.

b. Special Processing. None.

```
COMMAND /  _____      RESPONSE/PLS ENTER YOUR RESPONSE
VFPP                          VESSEL FILE PROPULSION DETAILS                01JUL86

                                      LAST REVISED:  PORT/ _____ DATE/_____

NAME/ _____  VIN/ _____  CALL/ _____  FLAG/ __

PROPULSION TYPE /  _____(1)_____      FUEL TYPE.../ ____(2)___  NUM SHAFTS / I
AUTOMATION LEVEL/ (3)                      HP AHEAD..../ I___      SHAFT RPM../ I
REVERSE TYPE..../ (4)_____               HP ASTERN.../ I____     DES. SPEED / D
AUX PROPULSION../ (5)_____                AUTO BRIDGE?/ Y         FLANK SPEED/ D
NUM FUEL TANKS../ _I_                       FUEL CAP..../ I_____  F/C UNITS../ __(6)
                                            LUBE OIL CAP/ I_____L/O/C UNITS/ __(6)_

                              --- AUTOMATION ---
TYPE BRIDGE CONTROL/ __(7)__  CONSOLE MANUFACTURER/ _____LIT
MODEL NUMBER OF BASIC SYSTEM../ _____LIT
TEST PROCEDURES APPROVED: DATE/ __CD___   UNIT/ _PORT_

                              --- PROPELLER(S) ---
TYPE/ _____(8)____  MATERIAL/ _____(9)_____  CONSTRUCTION/ _(10)_  NUM OF BLADES/ I

                       --- TAILSHAFT(S) ---          ORIG. CLEARANCES
                SHAFT BRG. SEAL   STRESS   CONT. INIT.  -STERN-  -STRUT-
   IDENTIFICATION TYPE TYPE TYPE  RELIEF   LINER? DIA  TOP BOT  TOP BOT
   ___LIT_____  (11) (12) (13)  __(14)__ __  Y    D    I  I    I  I
   _____  ____ __ ____  __ _____ __  _    _____  ___ ___  ___ ___

                              --- CLUTCH SYSTEM ---
TYPE/ ___(15)___   MANUFACT./ _____LIT_____  MODEL/ ____LIT_____

                              --- REDUCTION GEAR ---
TYPE/ ___(16)____  MANUFACT./ _____LIT_____  MODEL/ ____LIT_____

                    --- MAIN PROPULSION TURBINE MACHINERY ---
   NUM OF UNITS  TYPE            HP        MANUFACTURER           MODEL
        I        (17)          _I__        ____LIT_____         __LIT__

                    --- MAIN PROPULSION ELECTRIC MACHINERY ---
   NUM OF UNITS  VOLTS  AC/DC HP           MANUFACTURER           MODEL
MOTORS...../ I    I      __   _I__         ____LIT_____         __LIT__
GENERATORS./ I    ____   __   ____         _____          _____
SCR'S....../ _    ____   __   ____         _____          _____

                    --- MAIN PROPULSION RECIPROCATING MACHINERY ---
   NUM OF UNITS  NUM OF CYL  HP            MANUFACTURER           MODEL
        I          _I_    _I__             ___LIT_____          __LIT__

                    --- AUXILIARY PROPULSION ---
             TYPE           HP            MANUFACTURER           MODEL
   _____(19)_____    _I__           ____LIT_____         __LIT__
```

FIGURE 6-14. DATA DEFINITIONS FOR VFPP

TABLE 6-13. CODE VALUES FOR VFPP

(1) PROPULSION TYPE

CODE		MAPPED	EXPLANATION
AS	-	AUXILIARY SAIL	
CT	-	COMBINATION TYPES	
DD	-	DIESEL DIRECT	
DE	-	DIESEL ELECTRIC	
DO	-	DIESEL OUTDRIVE	
DR	-	DIESEL REDUCTION	
EM	-	ELECTRIC MOTOR	
GE	-	GASOLINE ENGINE	
GT	-	GAS TURBINE	
NA	-	NONE	
NC	-	NOT CLASSIFIED	
SA	-	SAIL	
SE	-	STEAM TURBOELECTRIC	
SR	-	STEAM RECIPROCATING	
ST	-	STEAM TURBINE	
UN	-	UNKNOWN	

(2) FUEL TYPE

CODE		MAPPED	EXPLANATION
DSL	-	DIESEL	
FO	-	FUEL OIL	
GAS	-	GASOLINE	
NUC	-	NUCLEAR	
OTH	-	OTHER	

(3) AUTOMATION LEVEL

CODE		MAPPED	EXPLANATION
0	-	0	UNMANNED
1	-	1	
2	-	2	
3	-	3	
4	-	4	
5	-	5	
6	-	6	
7	-	7	
8	-	8	
9	-	9	
" "	-	" "	

TABLE 6-13. CODE VALUES FOR VFPP (continued)

(4) REVERSE TYPE

CODE		MAPPED	EXPLANATION
C	–	CLUTCH	
D	–	DIRECT	
M	–	ELEC MOTOR	
O	–	UNCONVENT	
P	–	PROPELLER	
T	–	ASTERN TURB	

(5) AUX PROPULSION

CODE		MAPPED	EXPLANATION
HFP	–	HYDROFOIL	
OTH	–	OTHER	
THM	–	TAKE HOME	

(6) UNITS, FUEL AND LUBE OIL CAPACITY

CODE		MAPPED	EXPLANATION
B	–	BBLS	
G	–	GALS	
L	–	LTON	
M	–	MTON	
P	–	LBS	
S	–	STON	
T	–	TONS	

(7) BRIDGE CONTROL

CODE		MAPPED	EXPLANATION
AIR	–	AIR	PNEUMATIC CONTROLS
ELECT	–	ELECT	ELECTRICAL
HYD	–	HYD	HYDRAULIC
FLUID	–	FLUID	FLUIDIC
OTHER	–	OTHERNOT	ELSEWHERE CLASSIFIED
NONE	–	NONE	NONE

TABLE 6-13. CODE VALUES FOR VFPP (continued)

(8) PROPELLER TYPE

CODE		MAPPED	EXPLANATION
CP	–	CONT PITCH	
CR	–	CON-ROTATE	
CY	–	CYCLOIDAL	
KN	–	KORT NOZLE	
OT	–	UNCONVENT	
ST	–	STANDARD	
SW	–	WHEEL	
WJ	–	WATER JET	

(9) PROPELLER MATERIALS

CODE		MAPPED	EXPLANATION
AL	–	ALUMINUM	
BZ	–	BRONZE	
CC	–	CONCRETE	
CU	–	COPPER	
DI	–	DUCTILE IRN	
FE	–	IRON	
FRP	–	FRP	
HS	–	HS STEEL	
IN	–	IRON NICKEL	
OT	–	OTHER	
PL	–	PLASTIC	
SS	–	STAINLESS	
ST	–	STEEL	
WD	–	WOOD	

(10) PROPELLER CONSTRUCTION

CODE	MAPPED	EXPLANATION
BUILT		
SOLID		

(11) SHAFT TYPE

CODE		MAPPED	EXPLANATION
H	–	H	HOLLOW
S	–	S	SOLID

TABLE 6-13. CODE VALUES FOR VFPP (continued)

(12) BEARING TYPE

CODE		MAPPED	EXPLANATION
OL	-	OL	OIL LUBRICATED
UN	-	UN	NOT ELSEWHERE
WL	-	WL	WATER LUBRICATED

(13) SEAL TYPE

CODE		MAPPED	EXPLANATION
AXIAL	-	AXIAL	
FACE	-	FACE	
OTHER	-	OTHER	

(14) STRESS RELIEF

CODE		MAPPED	EXPLANATION
CK	-	CK	CHAMPHERED K'WAY
FK	-	FK	FILLETED K'WAY
FS	-	FS	FISHTAIL SLOT
HS	-	HS	HOOPSTRESS
NC	-	NC	NOT ELSEWHERE CLASSIFIED
SK	-	SK	SPOONED K'WAY
TK	-	TK	TAPERED K'WAY

(15) CLUTCH TYPE

CODE		MAPPED	EXPLANATION
AIR	-	PNEUMATIC	
E-M	-	ELEC-MAG	
FLX	-	FLEXIBLE	
HYD	-	HYDRAULIC	
OTH	-	UNCONVENT	
SOL	-	SOLID	

(16) REDUCTION GEAR TYPE

CODE		MAPPED	EXPLANATION
ART	-	ARTICULATED	
COM	-	EPICYC-CON	
CON	-	CONVENTIONAL	
EPI	-	EPICYCLIC	
LTR	-	LOCKED TRAIN	
NST	-	NESTED	
OTH	-	OTHER	

TABLE 6-13. CODE VALUES FOR VFPP (continued)

(17) MAIN PROPULSION TURBINE TYPE

<u>CODE</u>		<u>MAPPED</u>	<u>EXPLANATION</u>
GAS	–	GAS	
HPS	–	HPS	
LPS	–	LPS	

(18) TYPE OF VOLTAGE

<u>CODE</u>		<u>MAPPED</u>	<u>EXPLANATION</u>
AC	–	AC	ALTERNATING CURRENT
DC	–	DC	DIRECT CURRENT

(19) AUXILIARY PROPULSION TYPE

<u>CODE</u>		<u>MAPPED</u>	<u>EXPLANATION</u>
AS	–	AUXILIARY SAIL	
CT	–	COMBINATION TYPES	
DD	–	DIESEL DIRECT	
DE	–	DIESEL ELECTRIC	
DO	–	DIESEL OUTDRIVE	
DR	–	DIESEL REDUCTION	
EM	–	ELECTRIC MOTOR	
GE	–	GASOLINE ENGINE	
GT	–	GAS TURBINE	
NA	–	NONE	
NC	–	NOT CLASSIFIED	
SA	–	SAIL	
SE	–	STEAM TURBOELECTRIC	
SR	–	STEAM RECIPROCATING	
ST	–	STEAM TURBINE	
UN	–	UNKNOWN	

P. Vessel File Pump Details -- **VFPD**.

    1. **VFPD** Purpose and Description.

        a. Entry, update, and retrieval of detailed information about a vessel's pumps, including manufacturer, capacity, location, and primary and secondary uses.

        b. Entry of information identifying spaces served by eductors and ejectors.

        c. Posts counts of the vessel's pumps and their primary use to the vessel's VFSS and VFFF.

        d. Maps data to MIPIP, Marine Inspection Pre-Inspection Package and to MICIF, Marine Inspection Certificate of Inspection Form.

        e. Builds and maintains an historical record of pump specifications and displays information about previous pumps on request.

        f. Figure 6-15 shows the data definitions for VFPD. See Table 6-14 for the code values and Enclosure (1) for the abbreviation meanings.

    2. Accessing **VFPD**.

        a. Menu. VFPD is normally accessed through VFEI.

        b. Free-Form. VFPD can be accessed through free-form with a case number as follows:

            -VFPD,<E, U, or R>,VIN=<vessel identification number>

            where:

            E = entry mode
            U = update mode
            R = retrieval mode
            VIN = vessel identification number

            EXAMPLE:

            -VFPD,U,VIN=L6726620

        c. Selection From Other Products. VFPD may be accessed from VFSS.

        d. Product Use Authority Levels.

            Retrieval - 1   Entry/Update - 2

6.P. 3. **VFPD** Data Entry Requirements and Explanation.

    a. General Processing. The user accesses VFPD through VFEI or VFSS to enter information about a vessel's pumps, including capacity, location, and primary and secondary uses. VFPD responds with space for five (5) pumps and eight (8) eductors and e3ectors. A **"C"** for Current should be placed in the STATUS slot for each pump entered on VFPD. Except for T-Boats, each pump may be designated for only one primary use, but more than one secondary use. The pumps summary information entered into VFPD is automatically entered into the Pumps section of VFSS by MSIS.

    The user may access VFPD in **U(pdate)** mode to make corrections or additions to an existing VFPD. VFPD provides five (5) additional lines for pumps and two (2) additional lines for eductors and e3ectors each time it is executed, until the maximum screen image size is reached. Once the page is filled, no additional lines are assigned until data lines are deleted and become available once again for use. Lines may be deleted by blanking them out and pressing **SEND**. Changes made to VFPD will automatially be made to VFSS.

    The user should place an **"H"** for **HISTORY** or a **"C"** for Current in the STATUS slot for each pump specificaion being changed or added. Failure to fill the STATUS slot will automatically remove that pump specification definition from MSIS. VFPD may also be accessed in R(etreval) mode through VFEI or VFSS to see existing pumps information concerning a particular vessel. The historical record(s) may be displayed by entering **HISTORY** in the Command Slot.

    Blanking the entire line of information, including the STATUS slot, will cause VFPD to automatically remove that pump specification definition from MSIS.

    b. Special Processing. Current inspection regulations allow T-Boats to use the same pump as their primary fire pump and primary bilge pump. Therefore, VFPD checks the value in the service field. If service is equal to **PASSENGER**, then VFPD allows a "P" to be in the **USE** slots for both fire and bilge. (All other situations will allow only one "P".) This process affects the number of pumps by primary use count. If the user enters a line showing two (2) pumps with both fire and bilge as primary use, then the summary

6.P.3. b (Cont'd) count will display two (2) fire pumps and two
            (2) bilge pumps. This is logical when a vessel is
            using only one (1) pump for both uses, which is the
            normal situation for T-Boats.

```
COMMAND / _____ RESPONSE/PLS ENTER YOUR RESPONSE_____
VFPD                        VESSEL FILE PUMP DETAILS

                                      LAST REVISED:  PORT/ _____  DATE/ _____

NAME/ _____   VIN/ _____   CALL/ _____   FLAG/ __

              --- NUMBER OF PUMPS BY PRIMARY USE ---
     CARGO/ __       STRIPPING/ __      BALLAST/ __      FIRE/ __      BILGE/ __

---------------- PUMP DETAILS AND SPECIFICATIONS ----------------   USE(P/S)
                                                                   C S B F B S
                                                                   A T A I I T
                                                                   R R L R L A
                                                                   G I L E G T
                                               RELIEF             O P A . E U
                                               VALVE              . . S . . S
QTY        MANUFACTURER       TYPE   CAP.  DRIVE   SET    LOCATION  . . T . .C/H
 I   LIT_____      (1)    I    (2)      I     LIT_____ _ _(3)_ _(4)*
 __  _____ ____  ____  _____  ____  _____ _ _ _ _ _ _
 __  _____ ____  ____  _____  ____  _____ _ _ _ _ _ _
 __  _____ ____  ____  _____  ____  _____ _ _ _ _ _ _
 __  _____ ____  ____  _____  ____  _____ _ _ _ _ _ _
EFFECTIVE DATE/ __CD__  NUM HIST RECS/  O     STATUS: C-CURRENT; H-HISTORY

                   --- EDUCTORS AND EJECTORS ---
          SPACE SERVED            NUM              SPACE SERVED            NUM
    LIT_____   I        LIT_____   I
    _____   __        _____   __
    _____   __        _____   __
```

* Field must be filled in on initial entry.

FIGURE 6-15.   DATA DEFINITIONS FOR VFPD

TABLE 6-14. CODE VALUES FOR VFPD

(1) PUMP TYPE

CODE/MAP	EXPLANATION
CENTR	CENTRIFUGAL
RECIP	RECIPROCATING
SUBMR	SUBMERSIBLE
DPWEL	DEEP WELL
NEC	NOT ELSEWHERE CLASSIFIED

(2) GENERATOR, PUMP, WINDLASS/WINCH, AUX THRUSTER - DRIVE TYPE

CODE	MAP
AIR	PNEUMAT
ELE	ELECTRIC
GTE	GAS TURB
HYD	HYDRAUL
ICE	IC ENG
OTH	NEC
SEN	ST. ENG
STU	ST. TURB

(3) PUMP USE

CODE/MAP	EXPLANATION
P	PRIMARY USE
S	SECONDARY USE

Q. Vessel File Steering System Details -- **VFSD**.

1. **VFSD** Purpose and Description.

    a. Entry, update and retrieval of detailed information about a vessel's main, auxiliary, and emergency steering systems.

    b. Builds and maintains an historical record of all steering system data and displays all such records on request.

    c. Posts summary information about the main steering to a vessel's VFSS.

    d. Maps data to MIPIP, Marine Inspection Pre-Inspection Package and to MICIF, Marine Inspection Certificate of Inspection Form.

    e. Figure 6-16 shows the data definitions for VFSD. See Table 6-15 for the code values and Enclosure (1) for the abbreviation meanings.

2. Accessing **VFSD**.

    a. Menu. VFSD is normally accessed through VFEI.

    b. Free-Form. VFSD can be accessed through free-form with:

        -VFSD,<E, U, or R>,VIN=<vessel identification number>

        where:

        E = entry mode
        U = update mode
        R = retrieval mode
        VIN = vessel identification number

        EXAMPLE:

        -VFSD,E,VIN=L5137949

    c. Selection From Other Products. VFSD may be accessed from VFSS.

    d. Product Use Authority Levels.

        Retrieval - 1   Entry/Update - 2

3. **VFSD** Data Entry Requirements and Explanation.

    a. General Processing. The user accesses VFSD through VFEI or VFSS to enter information about a vessel's

6.Q.3. a.(Cont'd) main, auxiliary, and emergency steering
        systems. The main steering system information
        entered into VFSD is automatically
        entered into the Steering System section
        of VFSS by MSIS.

        The user may access VFSD in **U(pdate)** mode to make
        corrections or additions to an existing VFSD.
        Existing steering system details may be moved to an
        historical record by entering "Y" in the HISTORY Y/N?
        slot and pressing **SEND**. Changes made to VFSD will
        automatically be made to VFSS.

        VFSD may also be accessed in **R(etrieval)** mode through
        VFEI or VFSS to see existing steering systems infor-
        mation concerning a particular vessel. The histori-
        cal record(s) are displayed by entering **HISTORY** in
        the Command Slot.

     b. Special Processing. None.

```
COMMAND / _____ RESPONSE/PLS ENTER YOUR RESPONSE_____
VFSD              VESSEL FILE STEERING SYSTEM DETAILS               27AUG91

                                    LAST REVISED: PORT/ _____ DATE/ _____

NAME/ _____ VIN/ _____ CALL/ _____   FLAG/ __

MAIN STEERING SYSTEM TYPE/ ___(1)*_____        HP.../ _I__
GEAR MANUFACTURER......../ _LIT_____  MODEL/ _LIT_____

POWER TRANSFER METHOD/ ____(2)___ NUM OF CYLINDERS......./ I NUM OF RAMS.../ I
STEERING CONTROL TYPE/ ____(3)___ NUM OF CONTROL STATIONS/ I TURN RATE IND?/ Y
AUXILIARY STEER TYPE / ____(1)_____ EMER. STEER TYPE/ _____(1)_____
RUDDER ANGLE IND MAN./ _LIT_____   MODEL / _LIT_____
DESCRIPTION / _LIT_____

EFFECTIVE DATE/ __CD*__ NUM HIST RECS/              HISTORY (Y/N)?../ Y
```

* Field must be filled in on initial entry.

FIGURE 6-16.   DATA DEFINITIONS FOR VFSD

TABLE 6-15. CODE VALUES FOR VFSD

(1) STEERING SYSTEM - MAIN, AUX, EMERGENCY, TYPES

CODE	MAP
DH	DIESEL HYDRAULIC
ELE	ELECTRIC
EHR	ELECTRO-HYD-RAM
EHV	ELECTRO-HYD-VANE
HYD	HYDRAULIC-HAND
MSC	MECHANICAL-HAND
STM	STEAM
OTH	NOT CLASSIFIED

(2) STEERING SYSTEM - POWER TRANSFER METHOD

CODE	MAP
6W	6WAY VALVE
MN	MAN. VALVE
NC	NEC

(3) STEERING SYSTEM - CONTROL TYPE

CODE	MAP
EL	ELECTRIC
HY	HYDRAULIC
MN	MECHANICAL
NC	NEC

CHAPTER 7. VESSEL DANGEROUS CARGO PARTICULARS

A.   General. There are four products in the Vessel File product
      set which allow for the entry, update and retrieval of dan-
      gerous and hazardous cargo information. Vessel File Cargo
      Entitlement (VFCE) lists all chemicals a specific vessel, by
      virtue of its construction and the design of its cargo sys-
      tem(s), is entitled to carry. VFCE is also used by the OCMI
      to select those cargoes that he/she wishes to authorize for
      a particular vessel, based on his/her inspection. Vessel
      File Cargo Authority (VFCA) captures information about a
      vessel's specific Subchapter D and Subchapter 0 dangerous
      and hazard-ous cargo authority. Vessel File Cargo List
      (VFCL) captures the list of allowable cargoes while Vessel
      File Conditions of Carriage (VFCC) provides a narrative
      about a vessel's conditions of carriage for its dangerous
      cargo.

B. Vessel File Cargo Entitlement -**VFC**.

    1. **VFC** Purpose and Description.

        a. Permits the recording of each bulk dangerous chemical that a particular vessel or class of vessels is entitled to carry by nature of the vessel's design.

        b. Allows the OCMI to select those cargoes that he/she wishes to authorize for a particular vessel, based on his/her inspection.

        c. Maps the authorized cargo list to VFCL, Vessel File Cargo List.

        d. Maps an **"X"** to the appropriate 46 CFR Subchapter 0 AUTHORITY slot on VFCA, Vessel File Cargo Authority.

        e. Appends data from the Conditions of Carriage section to the existing data on VFCC, Vessel File Condition of Carriage.

        f. Maps a count of the number of chemicals authorized for carriage to VFPS, Vessel File Particulars Summary.

        g. Displays the authorized cargo list on MICIF, Marine Inspection Certificate of Inspection Form and MIPIP, Marine Inspection Preinspection Package.

        h. Figure 7-1 shows the data definitions for VFCE. See Enclosure (1) for the abbreviation meanings and Enclosure (2) for the chemical codes.

        i. The use of VFCE is illustrated in the following example sequences entitled: Entering and Posting a Vessel's Cargo Entitlements and Activating a Vessel's Cargo Entitlements.

    2. Accessing **VFCE**.

        a. Menu. VFCE is normally accessed through VFEI.

        b. Free-Form. VFCE can be accessed through free-form with:

        VFCE,<E, U, or R>,VIN=<vessel identification number

            or

        VFCE,<E, U, or R>,CIN=<class identification number

7.B.2. b. (Cont'd) where:

        E = entry mode
        U = update mode
        R = retrieval mode
        VIN = vessel identification number
        CIN = class identification number

        EXAMPLE:

        -VFCE,R,VIN=CG00013

    c. Selection From Other Product. VFCE can not be
        accessed from other products.

    d. Product Use Authority Level.

        Retrieval - 1   Entry/Update - 2 (only port codes GMSC
                        and GMTH may enter and post a VFCE)

3. **VFCE** Data Entry Requirements and Explanation.

    a. General Processing.

        (1) Entry Mode.

            (a) VFCE may be accessed from VFEI using a log-
                 in port code of GMSC or GMTH and either a
                 VIN for a single vessel or a CIN for a
                 class of vessels. MSIS responds with
                 the first screen of VFCE. This screen
                 contains the Subchapter O carriage
                 authority and blank lines for dangerous
                 cargo entitle-ments. The user places
                 an **"X"** in the appropriate Subchapter O
                 Authority and enters the chemicals
                 codes (CHRIS codes) for all chemicals
                 that the vessel or class of vessels is
                 entitled to carryby nature of the
                 vessel's design. The user may enter
                 any character in the NOTE slot(s) to
                 refer-ence notes to be entered on the
                 second page of VFCE. The user may also
                 enter a **"C"** (for conditional) in the
                 MSC ACTION slot if conditional
                 requirements comments are required for
                 a particular chemical.

            (b) After pressing **SEND,** VFCE returns to the
                 screen with the chemical name(s) and
                 related data mapped from the MSIS database
                 and two (2) conditional narrative lines
                 under each chemical requiring these com-
                 ments. The user checks the data to be
                 sure it is accurate and enters the
                 desired nar-rative. If more lines are
                 needed for the

7-3

7.B.3. a. (1)(b)   (Cont'd) Dangerous Cargo Entitlements section, the user enters **MORE** in the Command Slot and presses **SEND**. (The user should request more lines only when he/she is finished entering and checking data on the first screen.) VFCE responds with twenty (20) blank lines. If the user presses **SEND** without entering **MORE,** he/she will automatically move to VFCE's second screen.

(c)   VFCE's second screen contains the Conditions of Carriage narrative. The user may elect to use the pre-formatted statement ("Per 46 CFR 150.130...") or may overwrite the text with other narrative. The user also adds the narrative for any notes that were referenced on the first page of VFCE. If more lines are needed, the user enters MORE and presses **SEND**. VFCE responds with fifty (50) blank lines. The user then continues to enter Conditions of Carriage information. When all information is entered, the user presses **SEND** and receives the message "KEY 'YES' TO POST ENTRIES TO" in the Response Slot. The user types "YES" in the Command Slot and presses **SEND** to post the cargo entitlements information to the vessel or to individual vessels in a class of vessels. The user may also enter a blank command to "save" the VFCE as entered but not post it to any vessel(s). The VFCE may be accessed later in U(pdate) mode to change and/or post it to the vessel or class of vessels.

(2)   Update Mode.

(a)   The VFCE may be accessed in **U(pdate)** mode at two times: before posting and after posting to a vessel or class of vessels. Before a VFCE is posted, GMTH or GMSC may make changes or add to any part of an existing VFCE. After posting, the VFCE consists of only one screen (containing the Dangerous Cargo Entitlements section) and must be accessed for each individual vessel, not a class. It may be accessed to perform either OCMI actions or GMTH and GMSC actions.

(b)   For OCMI actions, there are two (2) data slots open for use: the NOTE and OCMI Action slots. The OCMI enters an **"X"** in the OCMI Action slot of each chemical that

7.B.3. a.(2)(b)(Cont'd)

a vessel is authorized to carry. The OCMI
may also add or delete notes in the NOTE
slot. The OCMI then presses **SEND** to
"activate" the chemicals marked
for the vessel. Activation has
several effects. First, it posts
the authorized cargo to VFCL and
locks VFCL to any updates. All
future cargo authority
modifications must be accomplished
through VFCE. Next, it maps an
"X" to the appropriate 46 CFR
Subchap-ter 0 Authority slot on
VFCA. This over-writes the
original authority on VFCA, if
this authority was different.
Future changes to VFCA must be
made on VFCA, not VFCE. Next, it
appends the Conditions of Carriage
section to the existing data on
VFCC. VFCC may need to be edited
if duplicate information exists.
Future changes to VFCC must be
made on VFCC, not VFCE. Activation
also maps a count of authorized
chemicals to VFPS and causes the
authorized cargo to be displayed
on the vessel's COI. To remove the
authority to carry a chemi-cal,
the user blanks out the **"X"** under
the OCMI Action slot and presses
SEND. This removes the chemical
from VFCL and pre-vents it from
being printed on the vessel's COI.

(c) Users with the GMTH Or GMSC
port codes may add or delete
chemicals from the Dangerous Cargo
Entitlements section. These users
may also add or delete data in the
NOTES and OCMI Action slots to
activate foreign vessels.

(d) Please Note: A vessel is activated in
U(pdate) mode when (a) the VFCE has been
posted, and (b) any changes are made in
the NOTE or OCMI Action slots. For
example, if a NOTE slot is changed and no
OCMI Action slots are marked, the VFCE
will be acti-vated and no autorized cargo
will appear on VFCL. Be sure activation
is desired before making any changes on
VFCE in U(pdate) mode.

(3) Retrieval Mode. VFCE may also be viewed in
R(etrieval) mode. Before posting the VFCE,
R(etrieval) mode displays all of the screen.
After posting, only the Dangerous Cargo
Entitle-ments section is displayed. VFCE also
functions with **MORE** logic in **R(etrieval)** mode.
VFCE dis-plays 20 chemicals and the message
"KEY 'MORE'

7.B.3.a.(3) (Cont'd) FOR NEXT PAGE" when more chemicals exist.
The user types MORE and presses **SEND** to see the
next page of chemicals.

    b. <u>Special Processing</u>. After a VFCE has been posted
(during the activation phase), be careful when
ABORTing in **U(pdate)** mode. The user may **ABORT** on
the first screen of a multi-screen VFCE with no
change to the VFCE. However, if the user makes a
change on the first screen of a multi-screen VFCE
and then **ABORT**s on the second or subsequent
screens, the VFCE is activated. This allows the
user to activate a long VFCE without viewing every
screen.

FIRST PAGE

```
COMMAND / _____ RESPONSE/PLS ENTER YOUR RESPONSE_____
VFCE              VESSEL FILE CARGO ENTITLEMENTS                    08MAY87

                              LAST REVISED:  PORT/ _____ DATE/

NAME/ _____ VIN/ _____ CALL/ _____ FLAG/
```

OR

```
CLASS OF VESSELS -
NAME/ _____ CIN/ _____ AUTHOR/ ___ COUNT/ ___

                              TOTAL NUMBER OF CHEMICALS IN LIST/ ____

CARRIAGE AUTHORIZED UNDER SUBCHAPTER O:  PART 151/ X  PART 153/ X  PART 154/ X

                  --- DANGEROUS CARGO ENTITLEMENTS ---
CHEM NO -ACTION-                                       CON IMO -REACT-
CODE TE MSC OCMI       CHEMICAL NAME                   TYP POL GRP EXC
 (1) _ C  X    _____ __  -  __ __
 ___ - _  _    _____ __  -  __ _
 ___ - _  _    _____ __  -  __ _
 ___ - _  _    _____ __  -  __ _
 ___ - _  _    _____ __  -  __ _
```

SECOND PAGE

```
COMMAND / _____ RESPONSE/PLS ENTER YOUR RESPONSE_____
VFCE              VESSEL FILE CARGO ENTITLEMENTS
NAME/ _____ VIN/ _____ CALL/ _____ FLAG/
```

OR

```
CLASS OF VESSELS -
NAME/ _____ CIN/ _____ AUTHOR/ ___ COUNT/ ___

                      --- CONDITIONS OF CARRIAGE ---
_____      NOTE: Default text will be mapped.   _____
_____
_____
_____
_____
```

FIGURE 7-1.   DATA DEFINITIONS FOR VFCE

CODE VALUES FOR VFCE

(1) CHEMICAL CODES

   SEE ENCLOSURE 2

C. Vessel File Cargo Authority -- **VFCA**.

   1. **VFCA** Purpose and Description.

      a. Captures, displays and deletes information
          concerning a vessel's specific Subchapter D and
          Subchapter 0 dangerous and hazardous cargo
          authority.

      b. Receives any existing data from the Vessel File
          Particulars Summary (VFPS) on initial entry and
          posts changed general cargo authority information
          to VFPS.

      c. Receives an **"X"** in the appropriate 46 CFR Subchapter
          0 Authority slot when the information is "posted"
          and then "activated" for a vessel in VFCE.

      d. Controls the containment type displayed on VFCL based
          on the 46 CFR Subchapter O Authority slot checked.

      e. Displays authorization data on MICOI, Marine
          Inspection Certificate of Inspection Form Proxy.

      f. Maps authorization data to MIPIP, Marine Inspection
          Pre-Inspection Package and to MICIF, Marine Inspec-
          tion Certificate of Inspection Form.

      g. Figure 7-2 shows the data definitions for VFCA. See
          Table 7-1 for the codevalues and Enclosure (1) for
          the abbreviation meanings.

      h. The use of VFCA is illustrated in the following
          example sequence entitled: Entering a Vessel's Cargo
          Authority.

   2. Accessing **VFCA**.

      a. Menu. VFCA is normally accessed through VFEI.

      b. Free-Form. VFCA can be accessed through free-form
          with:

          -VFCA,<E, U, or R>,VIN=<vessel identification number>

          where:

          E = entry mode
          U = update mode
          R = retrieval mode
          VIN = vessel identification number

          EXAMPLE:

          -VFCA,E,VIN=CG000223

7.C.2.   c.   Selection From Other Products. VFCA may be accessed
              from VFPS.

         d.   Product Use Authority Levels.

              Retrieval - 1   Entry/Update - 2

    3.   VFCA Data Entry Requirements and Explanation.

         a.   General Processing. VFCA is used to define and
              display information about a vessel's dangerous cargo
              authority. In **E(ntry)** mode, VFCA is accessed through
              VFEI, using a VIN. VFCA responds with a form
              allowing the user to enter various iformation such
              as Authorization and Liquid and Bulk
              Authority.

              Please Note: The 46 CFR Subchapter 0 Authority may
              be changed by an "activated" VFCE. If the original
              authority is different than the activated one, it is
              replaced by the authority established in VFCE.
              VFCA may also be accessed in **U(pdate)** mode to make
              changes Or additions to existing information.
              In **U(pdate)** mode, VFCA provides two additional
              lines each in the Loading Constraints -
              Structural and Loading Constraints - Stability
              data groups each time it is executed, until
              the maximum screen size is reached. Once this
              occurs, no additional lines are assigned until
              data lines are deleted and become available
              once again for use. Lines may be deleted by
              blanking them out and pressing **SEND**.

              In **R(etrieval)** mode, VFCA displays the cargo
              authority currently in effect for the desired
              vessel.

              Please Note: When VFCE is "activated" for a vessel,
              the data for port and date on VFCA are
              modified to reflect the activation date and
              the port that performed the activation.

         b.   Special Processing. VFCA controls the containment
              type displayed on VFCL based on which 46 CFR
              Subchapter 0 Authority slot is checked. If an
              "X" exists identifying a CFR Part, then the
              containment type listed on CFID for that CFR part
              is mapped to VFCL. If more than one slot is marked,
              VFCA uses the first "X" it finds, scanning from
              left to right.

```
COMMAND /  _____        RESPONSE/PLS ENTER YOUR RESPONSE _____
VFCA                              VESSEL FILE CARGO AUTHORITY              03APR86

                                     LAST REVISED:  PORT/ _____ DATE/

NAME/  _____  VIN/ _____  CALL/ _____  FLAG/

AUTHORIZATION/  _____NARR
46CFR SUBCHAPTER D AUTHORITY: HIGHEST GRADE/ (1)  CAPACITY/ ___I___ UNITS/ _(2)
46CFR SUBCHAPTER O AUTHORITY:  PART 151/ X  PART 153/ X  PART 154/ X

                        ---HAZARDOUS BULK SOLIDS AUTHORITY---
   _____(3)_____    _____(3)_____    _____(3)_____    _____(3)

                    ---LIQUID BULK CARGO AUTHORITY/CONDITIONS---
                          *LOADING CONSTRAINTS- STRUCTURAL*
                              MAX CARGO WEIGHT/TANK    MAXIMUM DENSITY
                 TANK(S)           (SHORT TONS)          (LBS/GAL)
   _____NARR_____          __I__               __D__
   _____         _____               _____

                     *LOADING CONSTRAINTS- STABILITY*
   HULL                           MAXIMUM LOAD  MAX DRAFT      DENSITY
   TYPE(S)          ROUTE(S)      (SHORT TONS) (FT&INCHES)    (LBS/GAL)
   _NARR_     _____NARR_____    __I__     __NARR__       __D__
   _____    _____     _____     _____      _____
```

FIGURE 7-2.   DATA DEFINITIONS FOR VFCA

TABLE 7-1. CODE VALUES FOR VFCA
(1) HIGHEST GRADE

CODE		MAPPED	EXPLANATION
A	–	A	
B	–	B	
C	–	C	
D	–	D	
E	–	E	
LFG	–	LFG	
LCG	–	LCG	

(2) UNITS

CODE		MAPPED	EXPLANATION
B	–	BBLS	BARRELS
G	–	GALS	GALLONS
P	–	LBS	POUNDS
T	–	TONS	TONS
L	–	LTON	LONG TONS
M	–	MTON	METRIC TONS
S	–	STON	SHORT TONS

(3) BULK SOLID AUTHORITY

CODE		MAPPED	CODE		MAPPED
1	–	ALUMIN DROSS	16	–	LIME,UNSLAKED
2	–	ALUMINUM NITRATE	17	–	MAGNESIUM NITRATE
3	–	FERTILIZER	18	–	METAL CUTTINGS
4	–	AMMONIUM SULF NITR	19	–	PETROL COKE, CALC
5	–	BARIUM NITRATE	20	–	PETROL COKE, UNCALC
6	–	CALCIUM NITRATE	21	–	POTASSIUM NITRATE
7	–	CHARCOAL BRIQUETS	22	–	RADIOACTIVE MATL
8	–	COCONUT MEAL PEL.	23	–	SAWDUST
9	–	DRY COPRA	24	–	SODIUM NITRATE
10	–	FERROPHOSPHOROUS	25	–	STRONTIUM NITRA-NRA
11	–	FERROSILICON	26	–	SULFUR
12	–	FISHMEAL-GROUND	27	–	TANKAGE, GARBAGE
13	–	FISHMEAL-PELLET			
14	–	FISHMEAL-GRD PELL			
15	–	LEAD NITRATE			

D. Vessel File Cargo List -- VFCL.

   1. VFCL Purpose and Description.

      a. Entry, update and retrieval of a listing of each
         specific bulk dangerous chemical and a minimum amount
         of data about that chemical, authorized for carriage
         on a particular vessel.

      b. Receives the chemicals selected for authorization on
         VFCE, Vessel File Cargo Entitlement, when VFCE has
         been "posted" and "activated" for a vessel.

      c. Maps the bulk dangerous cargo information to MICOI,
         Marine Inspection Certificate of Inspection Proxy
         Form; MICIF, Marine Inspection Certificate of Inspec-
         tion Form; and MIPIP, Marine Inspection Pre-
         Inspection Package.

      d. Displays a count of the number of chemicals
         authorized on VFPS, Vessel File Particulars Summary.

      e. Figure 7-3 shows the data definitions for VFCL. See
         Enclosure (2) for the chemical codes.

      f. The use of VFCL is illustrated in the following
         example sequence entitled: Entering a Vessel's Cargo
         List.

   2. Accessing **VFCL**.

      a. Menu. VFCL is normally accessed through VFEI.

      b. Free-Form. VFCL can be accessed through free-form
         with:

         -VFCL,<E, U, or R>,VIN=<vessel identification number>

         where:

         E = entry mode
         U = update mode
         R = retrieval mode
         VIN = vessel identification number

         EXAMPLE:

         -VFCL,R,VIN=CGOO0223

      c. Selection From Other Products. VFCL is not accessed
         from other products.

7.D.2. d. <u>Product Use Authority Levels</u>.

        Retrieval - 1   Entry/Update - 2 if VFCE has
                                        not been posted and activated.

3. **VFCL** Data Entry Requirements and Explanation.

    a. <u>General Processing</u>.

        (1) <u>Entry Mode</u>. VFCL is normally accessed through VFEI, using a VIN. VFCL responds with a form with only two unlocked slots: CODE and COMMENT. The user enters a cargo identification code (CID) in the CODE slot and any character in the NOTE slot that he/she desires and presses **SEND**. When VFCL is selected again, the other slots are mapped from the MSIS data base, provided that the data exists. The user should be careful that the cargo identification code entered is a valid code in MSIS as identified by CFID, Cargo File Identification Data. A cargo may be removed from the carriage list by blanking out the cargo identification CODE and NOTE data slots.

        (2) <u>Update Mode</u>. In **U(pdate)** mode, the user may add, delete or modify the list of chemicals on VFCL, <u>if a VFCE has not been activated</u>. Once VFCE is activated, the chemicals selected for authorization are mapped to VFCL replacing any previously existing chemicals and VFCL is locked to the user. Thereafter, all cargo authority modifications must be accomplished through VFCE.

        (3) <u>Retrieval Mode</u>. In **R(etrieval)** mode, VFCL displays the list of bulk dangerous chemicals authorized for carriage on a particular vessel in accordance with it's C0I or COC.

        (4) <u>All Modes</u>.

            (a) VFCL functions with **MORE** logic in all three modes. Fifty (50) data lines are displayed at a time for **E(ntry), U(pdate)** or **R(etrieval)**. The user also receives the message "PLS ENTER YOUR RESPONSE" in the Response Slot and has the following four options: (1) press **SEND** with a blank in the Command Slot to receive the message "KEY MORE FOR NEXT PAGE" and then enter MORE, press **SEND** to receive the next product on the queue, enter a free-form command or **ABORT**; (2) enter **MORE** and press **SEND** to

7.D.3.a.(4)(a)(Cont'd)display the next page; (3) enter a free-
form command and press **SEND** to bring up
another product; or (4) **ABORT** to halt
execution of VFCL. **Please Note**:
ABORTing on the second page of VFCL
(if a second page exists) does not
cancel the filing of the first page.
Pressing **SEND** to bring up the second
page automatically files the first
page of entries.

(b)   There are two "Last Revised" lines on VFCL:
one for VFCL and one for VFCE. The infor-
mation in these lines varies according to
several actions. Prior to activation of
VFCE, the VFCL LAST REVISED line is updated
with the login unit's code and the day's
date, respectively, whenever data in any
user accessible line has been altered.
After activation, the data for port and
date are modified to reflect the activation
date and the port that performed the acti-
vation. Thereafter, this information is
controlled by the data entered or removed
on VFCE. This happens when an OCMI action
data slot is modified by entering or
deleting an **"X"**, indicating a change in
authorization for the actual carriage of
the cargo.

(c)   Prior to posting VFCE, the last revised
date information for VFCE is displayed as
soon as VFCE has been defined for a vessel.
However, when VFCE is being defined for a
class of vessels, the last revised informa-
tion will not be displayed (data slots will
be blank) until VFCE has been posted to
each of the vessels in the class. After
posting, the last revised data slots are
updated with the login unit's code and the
present day's date, respectively, whenever
a chemical is added to or removed from the
entitlement list. This information indi-
cates when a change to the list of entitled
cargoes has occurred. The last revised
information is NOT changed when an **"X"** is
entered or removed from the OCMI action
data slot.

b.   Special Processing. Each cargo name is
stored in MSIS as three (3) separate parts
or segments, each fifty-five (55)
characters long. VFCL checks each name
segment in **U(pdate)** and **R(etrieval)** modes
prior to displaying it on the terminal.
If the name seg-ment is blank, that
segment of the cargo name is not

7-15

7.D.3.b.(Cont'd) formatted on the screen image. Should the cargo
name be long enough to use two or three segments,
those segments are displayed directly below the first
name segment on the screen image.

```
COMMAND / _____  RESPONSE/PLS ENTER YOUR RESPONSE _____
VFCL                    VESSEL FILE CARGO LIST                    03APR86

PLS VERIFY CHRIS CODE CHANGES      VFCL LAST REVISED:  PORT/ _____ DATE/ _____
                                   VFCE LAST REVISED:  PORT/ _____ DATE/ _____

NAME/ _____     VIN/ _____   CALL/ _____   FLAG/ _

                                   TOTAL NUMBER OF CHEMICALS IN LIST/ ___

CHEM                                                           CON IMO -REACT-
CODE NOTE              CHEMICAL NAME                           TYP POL GRP EXC
 (1)  _  _____NARR_____ _     =   =  ==  =
 **      _  _____
         _  _____
         _  _____
 ---  _  _____   -   -  --  -
 ---  _  _____   -   -  --  -
         _  _____
```

** CHEMICAL CODE (CHRIS)

FIGURE 7-3. DATA DEFINITIONS FOR VFCL

CODE VALUES FOR VFCL

(1) CHEMICAL CODES

SEE ENCLOSURE 2

E. Vessel File Conditions of Carriage -- **VFCC**.

1. **VFCC** Purpose and Description.

    a. Captures, displays and deletes narrative about a
        vessel's conditions of carriage for its dangerous
        cargo.

    b. Pre-formats the "Per 46 CFR 150.130..." statement
        when entering narrative for the first time for a
        vessel.

    c. Maps Conditions of Carriage data to MIPIP, Marine
        Inspection Pre-Inspection Package and to MICIF,
        Marine Inspection Certificate of Inspection Form.

    d. Receives the narrative in the conditions of carriage
        section of VFCE, Vessel File Cargo Entitlement when
        VFCE has been "posted" and "activated"

    e. Figure 7-4 shows the data definitions for VFCC. See
        Enclosure (1) for the abbreviation meanings.

    f. The use of VFCC is illustrated in the following
        example sequence entitled: Entering the Conditions
        of Carriage Narrative.

2. Accessing **VFCC**.

    a. Menu. VFCC is normally accessed through VFEI.

    b. Free-Form. VFCC can be accessed through free-form
        with:

        -VFCC,<E, U, or R>,VIN=<Vessel identification number>

        where:

        E = entry mode
        U = update mode
        R = retrieval mode
        VIN = vessel identification number

        EXAMPLE:

        -VFCC,E,VIN=DN000211

    c. Selection From Other Products. VFCC is not accessed
        from other products.

    d. Product Use Authority Levels.

        Retrieval - 1   Entry/Update - 2

7.E.3. **VFCC** Data Entry Requirements and Explanation.

    a. General Processing.

        (1) Entry Mode. VFCC is used to capture, display and delete narrative about a vessel's conditions of carriage for its dangerous cargo. In **E(ntry)** mode, VFCC is accessed through VFEI, using a VIN. VFCC responds with a pre-formatted "Per 46 CFR 150.130..." statement and 50 blank lines for entering the narrative. The user may then elect to use the pre-formatted statement or may overwrite the text and enter other narrative.

        (2) Update Mode. In **U(pdate)** mode, VFCC displays a total of 50 lines (one screen image), including existing Conditions of Carriage information and blank lines. The user may change existing information, delete information by blanking it out, or add narrative to the Conditions of Carriage paragraph. If more lines are needed, the user enters **MORE** in the Command Slot and presses **SEND**. VFCC responds with another screen image containing 50 blank lines.

        (3) Retrieval Mode. In **R(etrieval)** mode, VFCC displays the Conditions of Carriage currently in effect for the desired vessel. If there is more than one screen of narrative, "KEY MORE FOR NEXT PAGE" will appear in the Response Slot. The user enters **MORE** to view the next screen of narrative.

        (4) All Modes. When VFCE is "activated" for a vessel, the data for port and date on VFCC are modified to reflect the activation date and the port that performed the activation.

    b. Special Processing. When VFCE (Vessel File Cargo Entitlement) has been "posted" and "activated" for a vessel, the narrative in the Conditions of Carriage section is appended to the existing narrative on VFCC. This may include specific notes for chemicals not being authorized by the OCMI or GMTH for carriage by the vessel. The user is required to delete the duplicated and unwanted narrative as well as enter any additional items.

```
COMMAND /                                      RESPONSE/PLS ENTER YOUR RESPONSE
VFCC                        VESSEL FILE CONDITIONS OF CARRIAGE              03APR86

                                      LAST REVISED:  PORT/ _____  DATE/ _____

NAME/ _____  VIN/ _____  CALL/ _____  FLAG/ _

                             --- CONDITIONS OF CARRIAGE ---
_____NARR_____
_____
_____
_____
_____
_____
```

FIGURE 7-4. DATA DEFINITIONS FOR VFCC

ENCLOSURE (1)

DATA DEFINITION ABBREVIATION MEANINGS

DATA DEFINITION ABBREVIATION MEANINGS

The abbreviations used in the data definition screens are defined as follows:

CD = Calendar date. Standard date format is DDMONYR (day's date, 2 col.; month, 3 col.; and year, 2 col.); e.g., 28SEP86. This is an edit value and must be entered in that form.

CID = Cargo Identification Code. This is the three letter CHRIS code used to identify chemicals in MSIS.

CIN = Class Identification Number. If assigned by MSIS, this number is in the format of SCxxxxxx where SC stands for Special Class and xxxxxx is a sequential number; for example, SC000201.

CN = Case Number. Standard format is XXYRxxxxxx where XX is the 2 character product set prefix, YR is the year and xxxxxx is a sequential number assigned by MSIS; for example, PS86000001. Product set prefixes include MI, VD, MV, MC, MP, PS, and FO.

CT = Standard clock time; e.g., 12:57AM or 4:30PM. Note that colons are required, spaces are not allowed, and "AM" and "PM" must be added.

D = Decimal string. May be placed anywhere in the field. If no decimal point is given, MSIS will insert one at the end of the string.

ENID = Encumbrance Identification.

FIN = Facility Identification Number. Each FIN must be unique; however, there are no requirements as to its structure orlength.

I = Integer string. May be placed anywhere in the field.

IPN = Involved party identification number. This number is in the form of IPYRxxxxxx where IP is Involved Party, YR is the year and xxxxxx is a sequential number assigned by MSIS; for example, IP86000001.

LIT = Literal, faithful copy of something; i.e., name, serial number, etc. MSIS will not edit these entries and accuracy is necessary for proper interpretation and analysis.

MBOX = Mailbox number. Standard format is MBYRxxxxxx where MB is mailbox, YR is the year and xxxxxx is a sequential number assigned by MSIS; for example, MB86004082.

MT = Military time. Standard 24-hour clock time; e.g., 1520 = 3:20 p.m. Elapsed time is also entered in the same form; e.g., 1 hour and 15 minutes = 0115. Note that no colons or spaces are included. NOTE - MSIS uses 0000 rather than 2400.

NARR = Narrative entry. Enter data or comments in a free-form manner. MSIS places no restrictions on data or comment contents.

NEC = Not elsewhere classified, i.e., none of the above.

PORT = Standard port/unit identifiers.

QCLASS =Subchapter Q Class Number. This is the first seven characters of a Subchapter Q Number. All zeros normally appearing in the number and the decimal point (.) must be included when accessing MSIS products; for example, 161.045.

QNUM = Subchapter Q Number. QNUM is a number that may be 12, 13, 15, or 16 characters long, depending on whether the number refers to a primary label or private label supplier. The following are acceptable formats for QNUM, with x being equal to a digit and A being the private label identifier:

xxx xxx/xxxx Primary label supplier
xxx xxx/xxxx/xx Primary label supplier with mod
xxx xxx/Axxxx Private label supplier
xxx xxx/Axxxx/xx Private label supplier with mod

All zeros normally appearing in the number must be included when accessing MSIS products; for example, 161.123/0233.

UID = User identifier.

VIN = Vessel Identification Number. If assigned by MSIS, it is in the form of CGXXXXXX where xxxxxx is a sequential number. A VIN may also have the prefixes D and L. Both of these have a seven digit number.

X Checkmark. X or blank is allowed. NOTE - Blank is not allowed for validation for some fields.

Y = Yes/No standard, Y or N or blank is allowed. NOTE - Blank is not acceptable for PENALTY ACTION slots.

ENCLOSURE (2)

CHEMICAL CODES

```
CID                              NAME
---  ------------------------------------------------------------
AAA  Alkyl(C8+)amine, alkenyl (C12+) acid ester mixture
AAC  Acetic acid
AAD  Acetaldehyde
AAE  ALKYLENEAMINE
AAH  Alkenylsuccinic anhydride
AAI  Amyl alcohol (iso-, n-, sec-, primary)
AAM  Acrylamide solution (50% or less)
AAN  n-Amyl alcohol
AAP  Alkyl acrylate-Vinyl pyrldine copolymer in Toluene
AAS  sec-Amyl acetate
AAT  Ammonium acetate
ABC  Ammonium bicarbonate
ABF  Ammonium bifluoride
ABM  Acetyl bromide
ABR  Allyl bromide
ABS  Alkylbenzenesulfonic acid (greater than 4%)
ABT  Alkybenzenesulfonic acid, sodium salt solution
ABU  See code:  ABT
ABX  Ammonium bisulfite solution (70% or less)
ABZ  Ammonium benzoate
ACA  Acetic anhydride
ACB  Ammonium carbonate
ACC  Acetyl chloride
ACD  Acridine
ACE  Acetylene
ACF  Allyl chloroformate
ACH  Ammonium chromate
ACI  Ammonium citrate
ACL  Aluminum chloride
ACM  Ammonium carbamate
ACN  Acrylonitrile
ACO  Aluminum chloride solution
ACP  Acetophenone
ACR  Acrylic acid
ACS  Ammonium thiocyanate (25% or less), Ammonium
ACT  Acetone
ACU  Asphalt, cutback
ACY  Acetone cyanohydrin
ADA  Adipic acid
ADC  C-6 Aldehydes
ADN  Adiponitrile
ADS  Aluminum dross
ADT  Alkyl dithiothiadiazole (C6-C24)
AEA  Alcohol(C6-C17)(secondary) poly(3-6)ethoxylates
AEB  Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates
AEC  Amyl acetate (commercial, iso-, n-, sec-)
AEE  Aminoethylethanolamine
AEL  Acetal
AEP  N-Aminoethylpiperazine
AER  AEROTHENE (0.6% OR LESS PROPYLENE OXIDE)
AES  Alkyl ester copolymer (C6-C18)
AET  Alcohol(C9-Cll)(primary) ethoxylate
```

```
AEX  2-(2-Aminoethoxy)ethanol
AFB  Ammonium fluoborate
AFM  Ammonium formate
AFO  Aluminum ferrosilicon
AFR  Ammonium fluoride
AFS  Ammonium fluoride solution (36% or less)
AGC  Ammonium gluconate
AGE  Allyl glycidyl ether
AHL  2-Amino-2-hydroxymethyl-l,3-propanediol solution
AHO  Anthracene oil (Coal tar fraction)
AHP  Ammonium hypophosphite
AHS  Aluminum chloride (30% or less), Hydrochloric acid (20%
AID  Ammonium iodide
AKB  Alkyl(C9-C17) benzene
AKP  Alkaryl polyether (C9-C20)
AKS  Alkyl phenol sulfide (C8-C40)
ALA  Allyl alcohol
ALC  Allyl chloride
ALD  Aldrin
ALE  Acrylonitrile-Styrene copolymer dispersion in polyether
ALF  Aluminum fluoride
ALH  Alachlor technical (90% or more) .
ALM  Aluminum sulfate
ALN  Aluminum nitrate
ALS  Ammonium lauryl sulfate
ALT  Ammonium lactate
ALW  See code:  ASX
ALY  Alcohols (C13 and above)
AMA  Ammonia, anhydrous
AMB  Ammonium molybdate
AMC  Ammonium chloride
AMD  Ammonium dichromate
AME  Ammonium sulfate solution (20% or less)
AMF  Ammonium sulfite
AMH  Ammonium hydroxide (28% or less NH3)
AMK  n-Amyl methyl ketone
AML  n-Amyl acetate
AMM  n-Amyl mercaptan
AMN  Ammonium nitrate
AMP  Ammonium perchlorate
AMR  Ammonium stearate
AMS  Ammonium sulfate
AMT  Ammonium thiocyanate
AMY  n-Amyl chloride
AMZ  tert-Amylenes
ANB  Ammonium bromide
AND  Ammonium nitrate solution (45% or less)
ANI  iso-Amyl nitrite
ANL  Aniline
ANP  Ammonium nitrate - phosphate mixture
ANR  Ammonium nitrate solution (greater than 45% and less th
ANS  Ammonium nitrate - sulfate mixture
ANT  n-Amyl nitrate  -
ANU  Ammonium nitrate, Urea solution
```

```
AOL   Ammonium oleate
AOX   Ammonium oxalate
APB   Ammonium pentaborate
APC   Antimony pentachloride
APE   Ammonium persulfate
APF   Antimony pentafluoride
APH   Aluminum phosphide
API   Ammonium picrate
APK   Alcohol(C12-C15) poly(1-3)ethoxylates
APL   Alcohol(C12-C15) poly(3-11)ethoxylates
APM   Amyl alcohol, primary
APO   Arsenic pentaoxide
APP   Ammonium phosphate
APR   2-Amino-2-methyl-l-propanol (90% or less)
APS   Acetyl peroxide solution
APT   Antimony potassium tartrate
APY   4-Aminopyridine
ARD   Arsenic disulfide
ARF   Asphalt blending stocks:  Roofers flux
ARG   Argon
ARL   Acrolein
ARO   Aromatic tar S-2
ARS   Aromatic resin feedstock
ART   Arsenic trisulfide
ARX   Arsenic
ASA   Arsenic acid
ASC   Anisoyl chloride
ASE   sec-Amyl alcohol
ASF   Ammonium sulfide
ASI   Aluminum silicon
ASL   Ammonium silicofluoride
ASM   Ammonium sulfamate
ASN   Ammonium phosphate solution
ASO   Ammonium sulfite solution (15% or more)
ASP   Asphalt
ASR   Asphalt blending stocks:  Straight run residue
ASS   Ammonium sulfide solution (45% or less)
AST   Arsenic trichloride
ASU   Ammonium bisulfite
ASX   Aluminum sulfate solution
ATA   Acetylacetone
ATB   Antimony tribromide
ATC   Allyl trichlorosilane
ATF   Ammonium thiosulfate
ATH   Anthracene
ATL   Amyl phthalate
ATM   Antimony trichloride
ATN   Acetonitrile
ATO   Arsenic trioxide
ATR   Ammonium tartrate
ATS   n-Amyltrichlorosilane
ATT   Antimony trifluoride
ATV   Ammonium thiosulfate solution (60% or less)
ATX   Antimony trioxide
```

```
ATZ   Atrazine
AVA   Aviation alkylates (C8 paraffins and iso-paraffins
AYA   tert-Amyl acetate
AYF   Aryl polyolefin (Cll-C50)
AZM   Azinphos methyl
BAB   Bromoacetal bromide
BAC   Boric acid
BAD   iso-Butyraldehyde
BAE   Butyraldehyde (iso-, n-)
BAF   SEE CODE:  BFA
BAI   iso-Butyl acrylate
BAL   Benzyl alcohol
BAM   n-Butylamine
BAN   n-Butyl alcohol
BAR   Butyl acrylate (iso-, n-)
BAS   sec-Butyl alcohol
BAT   tert-Butyl alcohol
BAX   Butyl acetate (iso-, n-)
BBE   Butyl benzene (all isomers)
BBM   Butadiene, Butylene mixtures (containing Acetylenes)
BBP   SEE CODE:  BPH
BBR   Benzyl bromide
BBT   2-Bromobutane
BBU   1-Bromobutane
BBX   Butadiene, Butylene mixtures (Acetylene free)
BBZ   Bromobenzene
BCA   Barium long chain alkaryl sulfonate (Cl1-C50)
BCF   Benzyl chloroformate
BCH   Barium long chain alkyl (C8-C14) phenate sulfide
BCL   Benzyl chloride
BCN   n-Butyl acetate
BCP   Boiler compound, liquid
BCR   Barium chlorate
BCS   Butyltrichlorosilane
BCY   Barium cyanide
BDC   SEE CODE:  BDI
BDE   Diglycidyl ether of Bisphenol A
BDI   Butadiene
BDM   Benzyl dimethylamine
BD0   1,4-Butanediol
BEC   Beryllium chloride
BEF   Beryllium fluoride
BEM   Beryllium
BEN   Beryllium nitrate
BEO   Beryllium oxide
BES   Beryllium sulfate
BFA   Butyraldehyde (n-, crude)
BFI   iso-Butyl formate
BFN   n-Butyl formate
BFO   n-Butylchloroformate
BFX   Brake fluid base mixtures
BGE   n-Butyl glycidyl ether
BGS   Basagran solution
BHA   Benzene hydrocarbon mixtures (containing Acetylenes)
```

```
BHB  Benzene hydrocarbon mixtures (having 10% Benzene or
BHC  Benzene hexachloride
BHK  Butyl heptyl ketone
BHP  tert-Butyl hydroperoxide
BIB  iso-Butyl isobutyrate
BLA  gamma-Butyrolactone
BLE  Butyl lactate
BMA  Benzyltrimethylammonium chloride
BMH  Butyl methacrylate
BMI  iso-Butyl methacrylate
BMM  SEE CODE:  DER
BMN  n-Butyl methacrylate
BMX  Butane (iso-, n-)
BNI  Butyronitrile
BNP  2-Butanone peroxide
BNT  Barium nitrate
BNZ  Benzene
BOC  Bismuth oxychloride
BOL  Butene oligomer
BPA  Bisphenol A
BPC  Barium perchlorate
BPD  Benzene phosphorus dichloride
BPE  2-Bromopentane
BPF  Bromine pentafluoride
BPH  Butyl benzyl phthalate
BPM  Barium permanganate
BPN  n-Butyl propionate
BPO  Barium peroxide
BPR  1-Bromopropane
BPT  Benzene phosphorus thiodichloride
BRA  Butyric acid
BRC  Barium carbonate
BRE  Bromoacetone
BRO  Bromoform
BRT  Boron trichloride
BRU  Brucine
BRX  Bromine
BSC  Benzenesulfonyl chloride
BSS  Bilge slops
BTA  sec-Butyl acetate
BTB  Boron tribromide
BTC  n-Butyl acrylate
BTD  1,4-Butynediol
BTE  n-Butyl ether
BTF  Bromine trifluoride
BTL  sec-Butylamine
BTM  n-Butyl mercaptan
BTN  Butylene
BTO  1,2-Butylene oxide
BTP  p-tert-Butylphenol
BTR  n-Butyraldehyde
BTX  Benzene, Toluene, Xylene mixtures (having 10% Benzene
BTY  Butylamine (all isomers)
BUA  tert-Butylamine
```

```
BUB   n-Butyl butyrate
BUC   Butyryl chloride
BUD   1,4-Butenediol
BUE   Butyl toluene
BUF   n-Butyl formal
BUG   Butylene glycol
BUT   Butane
BYA   tert-Butyl acetate
BYC   Butyl chloride
BZA   Benzoic acid
BZC   Benzoyl chloride
BZD   Benzaldehyde
BZE   Benzylacetate
BZI   Benzidine
BZL   Benzal chloride
BZM   Benzylamine
BZN   Benzonitrile
BZO   Benzyldimethyloctadecylammonium chloride
BZP   Benzophenone
BZQ   p-Benzoquinone
BZT   Benzenethiol
CAA   Copper acetoarsenite (ic)
CAC   Chloroacetyl chloride
CAF   Calcium fluoride
CAH   Calcium hydroxide
CAK   Calcium long chain alkyl salicylate (C13+)
CAL   Calcium phosphate
CAM   Calcium
CAN   Calcium long chain alkyl phenate (C8-C40)
CAO   Calcium oxide
CAP   p-Chloroaniline
CAR   Carene
CAS   Calcium arsenite
CAT   Cadmium acetate
CAY   Calcium long chain alkaryl sulfonate (C11-c50)
CBA   Cobalt acetate (ous)
CBB   Carbon disulfide
CBC   Cobalt chloride (ous)
CBD   Copper bromide (ous)
CBE   Castor beans
CBF   Carbofuran
CBM   C-4 mixtures
CBN   4-Chlorobutyronitrile
CBO   Carbolic oil
CBR   Cyanogen bromide
CBS   Cobalt sulfate (ous)
CBT   Carbon tetrachloride
CBY   Carbaryl
CCA   Calcium arsenate
CCB   Calcium carbide
CCC   Calcium chlorate
CCH   Cyclohexanone
CCL   Cyanogen chloride
CCN   Calcium cyanide
```

```
CCO   Choline chloride solutions
CCP   Calcium peroxide
CCR   Calcium chromate
CCS   Calcium chloride solution
CCT   Creosote (Coal tar)
CCW   Creosote (all isomers)
CCX   Cyclohexane, Cyclohexanol mixture
CCY   Copper cyanide (ous)
CDA   Cacodylic acid
CDC   Cadmium chloride
CDM   4-Chloro-2-methylphenoxyacetic acid, dimethylamine salt
CDN   Chlordane
CDO   Carbon dioxide
CEM   Cetyl-Eicosyl methacrylate mixture
CES   Cupriethylenediamine solution
CFA   Coconut oil, fatty acid
CFB   Cadmium fluoborate
CFI   C-5 mixture (containing 4% or less 1,3-Pentadiene)
CFM   Cobalt formate (ous)
CFP   Cresols (containing more than 5% Phenol)
CFV   C-5 mixtures
CFX   C-5 mixture (15% or more Benzene, Isoprene,
CFY   Cottonseed oil, fatty acid
CGE   Cresyl glycidyl ether
CHA   Cyclohexylamine
CHC   Charcoal
CHD   Chlorohydrins (crude)
CHE   CRUDE HYDROCARBON FEEDSTOCKS (CONTAINING
CHF   CRUDE HYDROCARBON FEEDSTOCKS (CONTAINING
CHG   Crude hydrocarbon feedstock (containing Butyraldehydes
CHI   Chlorotoluenes (mixed isomers)
CHL   Chloroacetic acid
CHM   Chloroacetic acid (80% or less)
CHN   Cyclohexanol
CHO   Chloroacetaldehyde
CHP   Cyclohexanone peroxide
CHS   Chromic sulfate
CHT   Cyclohexenyltrichlorosilane
CHU   Calcium hypochlorite solution (15% or less)
CHX   Cyclohexane
CHY   Calcium hypochlorite
CHZ   Calcium hypochlorite solution (more than 15%)
CID   Copper iodide (ous)
CIT   Citric acid
CLA   2-Chloropropionic acid
CLC   Calcium chloride
CLD   Collodion
CLF   Chlorinated hydrocarbons
CLH   Chlorinated paraffins (C10-C13)
CLP   3-Chloropropionic acid
CLS   Caprolactam solution
CLT   Copper lactate (ic)
CLX   Chlorine
CMA   Chromic arthydride
```

```
CMB   Cadmium bromide
CMC   Chromyl chloride
CME   Chloromethyl methyl ether
CMH   Cumene hydroperoxide
CMN   Cadmium nitrate
CMO   Carbon monoxide
CMP   p-Cymene
CMS   Cadmium sulfate
CNE   1-Chloro-1-nitropropane
CNI   Copper nitrate (ic)
CNM   Calcium naphthenate in Mineral oil
CNN   Copper napthenate (ic)
CNO   o-Nitrochlorobenzene
CNP   p-Chloronitrobenzene
CNR   C-9 resinfeed
CNS   Cobalt naphthenate in Solvent naphtha
CNT   Calcium nitrate
COA   Coal
COB   Cobalt bromide (ous)
COF   Cobalt fluoride (ous)
COH   Calcium hydroxide slurry
COL   Copper oxalate (ic)
CON   Cobalt nitrate (ous)
COP   Copper acetate (ic)
COR   Coal tar
COS   Cobalt sulfamate (ous)
COU   Coumaphos  .
COX   Cadmium oxide
COY   Copra
CPA   Copper arsenite (ic)
CPB   Copper bromide (ic)
CPC   Copper chloride (ic)
CPD   1,3-Cyclopentadiene dimer (molten)
CPE   Cyclopentene
CPF   Copper fluoborate (ic)
CPG   Copper glycinate
CPH   Camphene
CPI   Calcium long chain alkyl phenate sulfide (C8-C40)
CPL   Chloropicrin, liquid
CPM   2- or 3-Chloropropionic acid
CPN   p-Chlorophenol
CPO   Camphor oil
CPP   Calcium phosphide
CPR   Cyclopropane
CPS   Caustic potash solution
CPT   Captan
CPX   Calcium alkyl (c9) phenol sulfide, polyolefin
CRA   Chloroacetophenone
CRB   Chlorobenzene
CRC   Chromous chloride
CRE   Calcium resinate
CRF   Chloroform
CRH   o-Chlorophenol
CRL   m-Cresol
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```
CRN   p-Chlorotoluene
CRO   CROTON OIL
CRP   Chloroprene
CRS   Cresols
CRT   Chromic acetate
CRW   Contaminated rainwater
CRX   CRESYLIC ACID TAR
CRY   Cresylic acid
CSA   Chlorosulfonic acid
CSB   Cyclopentadiene, Styrene, Benzene mixture
CSC   Cresylate spent caustic
CSF   Copper sulfate (ic)
CSL   o-Cresol
CSN   Copper sulfate (ic) ammoniated
CSO   p-Cresol
CSS   Caustic soda solution
CST   Copper subacetate (ic)
CSY   Corn syrup
CTA   Crotonaldehyde
CTC   Catechol
CTD   4-Chloro-o-toluidine
CTF   Chlorine trifluoride
CTM   m-Chlorotoluene
CTO   o-Chlorotoluene
CTP   Coal tar pitch (molten)
CTT   Copper tartrate (ic)
CUF   Copper formate (ic)
CUM   Cumene
CWC   CHEMICAL DELETED
CWD   Creosote (Wood)
CXY   Carbon oxyfluoride
CYA   Cyanoacetic acid
CYC   Cyclohexyl acetate
CYE   Cycloheptane
CYG   Cyanogen
CYH   Cyclohexene
CYP   Cyclopentane
CYT   1,5,9-Cyclododecatriene
CYX   Cyclohexanone, Cyclohexanol mixture
CZB   See code:  DZB
DAA   Diacetone alcohol
DAB   Dialkyl(C10-C14) benzenes
DAC   N,N-Dimethylacetamide
DAD   2,4-Dichlorophenoxyacetic acid, dimethylamine salt
DAE   Diethylethanolamine
DAH   Dialkyl(C7-C13) phthalates
DAI   Dodecylbenzenesulfonic acid, isopropylamine salt
DAL   n-Decaldehyde
DAM   Diphenylamine
DAN   n-Decyl alcohol
DAP   Di-n-amyl phtha!ate
DAR   n-Decyl acrylate
DAS   Dodecylbenzenesulfonic acid, sodium salt
DAT   Decyl acrylate (iso-, n-)
```

```
DAX   Decyl alcohol (all isomers)
DBA   Dibutylamine
DBC   Diisobutylcarbinol
DBE   SEE CODE:  BTE
DBG   Dipropylene glycol butyl ether
DBH   Dibromomethane
DBK   Di-n-butyl ketone
DBL   Diisobutylene
DBM   m-Dichlorobenzene
DBN   Dibenzyl ether
DBO   o-Dichlorobenzene
DBP   p-Dichlorobenzene
DBR   Decaborane
DBS   Dodecylbenzenesulfonic acid, triethanolamine salt
DBT   Dibutylphenol
DBU   Diisobutylamine
DBX   Dichlorobenzenes (all isomers)
DBZ   n-Decylbenzene
DCA   2,4-Dichlorophenoxyacetic acid
DCB   Dichlorobutene
DCC   Decane
DCE   Decene
DCF   Dichlorodifluoromethane
DCH   1,1-Dichloroethane
DCI   2,2'-Dichloroisopropyl ether
DCL   Dichlone
DCM   Dichloromethane
DCN   2,2-Dichloropropionic acid
DCO   Decanoic acid
DCP   2,4-Dichlorophenol
DCR   Dimethylcarbamoyl chloride
DCS   Dodecylbenzenesulfonic acid, calcium salt
DCT   1,1-Dichloro-l-nitroethane
DCV   Dichlorovos
DCY   4,6-Dinitro-o-cyclohexylphenol
DDA   2,4-Dichlorophenoxyacetic acid, dimethylamine salt
DDB   Dodecylbenzene
DDC   1-Dodecene
DDD   DDD
DDE   2,4-Dichlorophenoxyacetic acid, diethanolamine salt
DDH   1,4-Dihydro-9,10-dihydroxyanthracene, disodium salt
DDI   2,2-Dimethylpropane-l,3-diol
DDM   Dodecyl methacrylate
DDN   Dodecanol
DDO   Diphenyl, Diphenyl ether mixtures
DDP   Dodecyl-Pentadecyl methacrylate mixture
DDS   Dodecyl sulfate, sodium salt
DDT   DDT
DDW   Dimethylhexane dihydroperoxide, wet
DDX   Didecyl dimethyl ammonium chloride, Ethanol mixture
DEA   Diethanolamine
DEB   Diethylbenzene
DEC   Diethyl carbonate
DED   Dieldrin
```

```
DEE   2,2'-Dichloroethyl ether
DEF   SEE CODE:  DEE
DEG   Diethylene glycol
DEH   Di-(2-ethylhexyl)adipate
DEK   Diethyl ketone
DEL   1,2-Dichloroethylene
DEM   Diethylene glycol butyl ether acetate
DEN   Diethylamine
DEP   Di-(2-ethylhexyl)phosphoric acid
DER   Butyl, Decyl, Cetyl-Eicosyl methacrylate mixture
DES   2,4-D esters
DET   Diethylenetriamine
DEZ   Diethylzinc
DFA   Difluorophosphoric acid, anhydrous
DFE   1,1-Difluoroethane
DFF   Distillates:  Flashed feed stocks
DFM   Dichloromonofluoromethane
DGA   Diethylene glycol ethyl ether acetate
DGD   Diethylene glycol dimethyl ether
DGE   Diethylene glycol ethyl ether
DGF   Diglycidyl ether of Bisphenol F
DGL   Diethylene glycol phthalate
DGM   Diethylene glycol methyl ether
DGP   Diethylene glycol phenyl ether
DGR   Diethylene glycol methyl ether acetate
DGT   Dimethyl glutarate
DGY   Dipropylene glycol dibenzoate
DHA   Di-n-hexyl adipate
DHE   Diethylene glycol n-hexyl ether
DHN   Decahydronaphthalene
DHP   Diheptyl phthalate
DHX   1,6-Dichlorohexane
DIA   Diisopropylamine
DIB   Dichlobenil
DIC   Dicamba
DID   Diisodecyl phthalate
DIE   Di-(2-ethylhexyl)phthalate
DIF   Dinonyl phthalate
DIG   Diethylene glycol dibutyl ether
DIH   Diisopropylbenzene hydroperoxide
DII   Diisopropyl naphthalene
DIK   Diisobutyl ketone
DIL   Diphenyl
DIM   Dimethyl ether
DIN   Diisononyl phthalate
DIO   Diisooctyl phthalate
DIP   Diisopropanolamine
DIQ   Diquat
DIS   Disulfoton
DIT   Diisobutyl phthalate
DIU   Diuron
DIX   Diisopropylbenzene (all isomers)
DLA   Dimethyl adipate
DLL   N,N-Dimethylaniline
```

```
DLP   Dalapon
DLS   N,N-Dimethylacetamide solution (40% or less)
DMA   Dimethylamine
DMB   Dimethylethanolamine
DMC   Dimethylamine solution (over 55% but not over 65%)
DMD   Dimethyldichlorosilane
DME   Diethylene glycol butyl ether
DMF   Dimethylformamide
DMG   Dimethylamine solution (45% or less)
DMH   1,1-Dimethylhydrazine
DML   1,2-Dimethylhydrazine
DMM   2,6-Dimethylaniline
DMN   2,6-Diethylaniline
DMO   Dimethyloctanoic acid
DMP   Dimethylpolysiloxane
DMS   Dimethyl sulfoxide
DMT   Dimethyl terephthalate
DMX   Dichloropropene, Dichloropropane mixtures
DMY   Dimethylamine solution (over 45% but not over 55%)
DMZ   Dimethylzinc
DNA   Di-n-propylamine
DNB   m-Dinitrobenzene
DNC   Dinitrocresols
DND   SEE CODE:  DNA
DNE   2,5-Dinitrophenol
DNH   2,6-Dinitrophenol
DNI   Dinitriles
DNL   2,6-Dinitrotoluene
DNM   Dinitrotoluene (molten)
DNO   o-Dinitrobenzene
DNP   2,4-Dinitrophenol
DNS   Dimethyl naphthalene sulfonic acid, sodium salt
DNT   2,4-Dinitroaniline
DNU   3,4-Dinitrotoluene
DNY   Diisononyl adipate
DNZ   Dinitrobenzene
DOA   Dioctyl adipate
DOB   Diphenyl ether, Biphenyl phenyl ether mixtures
DOC   n-Dodecane
DOD   Dodecene
DOL   Dodecyl phenol
DOP   Dioctyl phthalate
DOS   Dodecyl diphenyl ether disulfonate solution
DOT   Dodecyldimethylamine, Tetradecyldimethylamine mixture
DOX   1,4-Dioxane
DOZ   Dodecene (all isomers)
DPA   Dibutyl phthalate
DPB   1,1-Dichloropropane
DPC   1,3-Dichloropropane
DPD   Diphenyldichlorosilane
DPE   Diphenyl ether
DPF   2,3-Dichloropropene
DPG   Dipropylene glycol
DPH   Diethyl phthalate
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```
DPI   Dimethyl hydrogen phosphite
DPK   SEE CODE:  DPC
DPL   2,2-Dichloropropane
DPM   Diphenylmethane diisocyanate
DPN   Dipentene
DPO   Dibenzoyl peroxide
DPP   1,2-Dichloropropane
DPR   Diphenylol propane-Epichlorohydrin resins
DPS   1,1-, 1,2-, or 1,3-Dichloropropene
DPT   Dicyclopentadiene
DPU   1,3-Dichloropropene
DPX   1,1-, 1,2-, or 1,3-Dichloropropane
DPY   Dipropylene glycol methyl ether
DRB   Drilling brine
DRI   Direct reduced iron
DRM   Drilling mud
DSA   Dodecylbenzenesulfonic acid
DSD   Dodecyl sulfate, diethanolamine salt
DSE   Dimethyl succinate
DSF   Dimethyl sulfate
DSL   Dimethyl sulfide
DSM   Dodecyl sulfate, magnesium salt
DSP   Dodecenylsuccinic acid, dipotassium salt solution
DSR   Distillates:  Straight run
DSS   Dioctyl sodium sulfosuccinate
DST   Dodecyl sulfate, triethanolamine salt
DSU   Diethyl sulfate
DSX   2,4-Dichlorophenoxyacetic acid, dimethylamine salt solu
DSY   DIMETHYLAMINE SALT, 4-CHLORO-2-METHYLPHENOXYACETIC ACID
DSZ   Diammonium salt of Zinc EDTA solution
DTA   Dodecylamine, Tetradecylamine mixture
DTC   Dodecyltrichlorisilane
DTE   Dichlorotetrafluoroethane
DTH   Dowtherm A
DTI   2,4-Dichlorophenoxyacetic acid, triisopropanolamine
DTL   Dimethyl phthalate
DTM   4,4-Dichloro-alpha-trichloromethylbenzhydrol
DTN   Demeton
DTP   Ditridecyl phthalate
DTS   Dextrose solution
DTT   2,4-Dinitrotoluene
DUP   Diundecyl phthalate
DUR   Dursban
DXN   N,N-Dimethylcyclohexylamine
DXY   Dodecyl xylene
DYA   Decyl acetate
DZB   Drilling brine (containing Zinc salts)
DZN   Diazinon
DZP   Di-(p-chlorobenzoyl)peroxide
DZZ   DIETHANOLAMINE SALT OF 2,4-DICHLOROPHENOXYACETIC ACID
EAA   Ethyl acetoacetate
EAC   Ethyl acrylate
EAD   Ethylaluminum dichloride
EAG   Ethylene glycol (antifreeze grade)
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```
EAI 2-Ethylhexyl acrylate
EAK Ethyl amyl ketone
EAL Ethyl alcohol
EAM Ethylamine
EAN Ethylamine solution (72% or less)
EAO Ethylamine solution (40% or less)
EAS Ethylaluminum sesquichloride
EBA N-Ethylbutylamine
EBK Ethyl butyl ketone
EBR Ethyl butyrate
EBT Ethyl butanol
EBU SEE CODE:  EBA
ECA Ethyl chloroacetate
ECC N-Ethylcyclohexylamine
ECF Ethyl chloroformate
ECH Ethylene chlorohydrin
ECL Ethyl chloride
ECS Ethyldichlorosilane
ECT Ethyl chlorothioformate
ECY Ethyl cyclohexane
EDA Ethylenediamine
EDB Ethylene dibromide
EDC Ethylene dichloride
EDR Endtin
EDS Ethylenediaminetetraacetic acid, tetrasodium salt
EDT Ethylenediamine tetraacetic acid
EDX Ethylene glycol phenyl ether, Diethylene glycol
EEA 2-Ethoxyethyl acetate
EEE Ethylene glycol diethyl ether
EEM 2-Ethyl-6-methyl-N-(l'-methyl-2-methoxyethyl)aniline
EEO 2-Ethoxyethanol
EEP Ethyl-3-ethoxypropionate
EET Ethyl ether
EFM Ethyl formate
EGA Ethylene glycol ethyl ether acetate
EGB Ethylene glycol dibutyl ether
EGD Ethylene glycol dimethyl ether
EGE Ethylene glycol ethyl ether
EGI Ethylene glycol isopropyl ether
EGL Ethylene glycol
EGM Ethylene glycol butyl ether
EGO Ethylene glycol acetate
EGP Ethylene glycol propyl ether
EGT Ethylene glycol methyl ether acetate
EGY Ethylene glycol diacetate
EHA 2-Ethylhexaldehyde
EHE Ethyl hexyl phthalate
EHM 2-Ethylhexylamine
EHO 2-Ethylhexanoic acid
EHP Ethoxydihydropyran
EHT Ethylhexyl tallate
EHX 2-Ethylhexanol
ELK Ethyl sec-amyl ketone
ELT Ethyl lactate
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```
EMA   Ethylene glycol butyl ether acetate
EMB   Ethylene glycol methyl butyl ether
EMC   Ethyl mercaptan
EME   Ethylene glycol methyl ether
EMN   N-Ethyl morpholine
EMX   Ethylenediamine (DOW Ethyleneamine 1302)
ENB   Ethylidene norbornene
ENP   Ethoxylated nonylphenol
EOD   Ethoxylated dodecanol
EOP   Ethoxylated pentadecanol
EOT   Ethoxylated tetradecanol
EOX   Ethylene oxide
EPA   2-Ethyl-3-propylacrolein
EPC   Epichlorohydrin
EPD   Ethyl phosphonothioic dichloride, anhydrous
EPE   Ethylene glycol phenyl ether
EPL   Ethylphenol
EPM   Ethylene oxide (30% or less), Propylene oxide mixture
EPP   Ethyl phosphorodichloridate
EPR   Ethyl propionate
EPS   Ethylphenyl dichlorosilane
ESC   Ethyl silicate
ESF   Endosulfan
ETA   Ethyl acetate
ETB   Ethylbenzene
ETC   Ethylene cyanohydrin
ETD   Ethoxylated tridecanol
ETE   Ethyl toluene
ETG   Ethoxy triglycol
ETH   Ethane
ETI   Ethyleneimine
ETL   Ethylene
ETM   Ethyl methacrylate
ETN   Ethyl nitrite
ETO   Ethion
ETS   Ethyltrichlorosilane
ETX   Ethylene dichloride, 1,1,2-Trichloroethane mixture
EVO   Epoxidized vegetable oils
FAC   Ferric ammonium citrate
FAL   Furfuryl alcohol
FAM   Formamide
FAN   2-Fluoroaniline
FAO   Ferric ammonium oxalate
FAR   Fumaric adduct of Rosin, Water dispersion
FAS   Ferrous ammonium sulfate
FAT   FATTY ALCOHOLS, C12-C20
FCL   Ferric chloride
FCP   Ferric glycerophosphate
FCS   Ferric chloride solutions
FEC   Ferrous chloride
FFA   Furfural
FFB   Ferrous fluoborate
FFX   Ferric fluoride
FHX   Ferric hydroxyethylenediaminetriacetic acid, trisodium
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```
FLA 4-Fluoroaniline
FLB Fluorobenzene
FLS Fluorspar
FLT 2-Fluorotoluene
FMA Formic acid
FMG Formaldehyde (gas)
FMS Formaldehyde solution (37% to 50%)
FMT SEE CODE:  FMS
FNN Ferric nitrate, Nitric acid solution
FNT Ferric nitrate
FOX Ferrous oxalate
FPS Ferrophosphorus
FRS Ferrous sulfate
FSA Fluosulfonlc acid
FSF Ferric sulfate
FSH Fish meal or Fish scrap
FSL Fluosilicic acid
FSM Ferrous metal
FSN Ferrosilicon
FSO Fish solubles (water based fish meal extracts)
FTO 3-Fluorotoluene
FTU 4-Fluorotoluene
FUM Fumaric acid
FUR Furan
FXX Fluorine
GAC Glyoxylic acid (50% or less)
GAK Gasoline blending stocks:  Alkylates
GAR Gasoline:  Aromatic
GAT Gasoline:  Automotive (4.23g Pb/gal)
GAV Gasoline:  Aviation (4.86g Pb/gal)
GBG Garbage (Annex V, MARPOL 73/78)
GCM Glycidyl methacrylate
GCR Glycerine
GCS Gasoline:  Casinghead
GDM Glycerin (83%), Dioxanedimethanol (17%) mixture
GET See code:  GLT
GLA Gallic acid
GLT Glycidyl ester of Tridecylacetic acid
GOC Gas oil:  Cracked
GOS Glyoxal solution (40% or less)
GPL Gasoline:  Polymer
GPY Gasoline:  Pyrolysis (greater than 5% Benzene)
GRF Gasoline blending stocks:  Reformates
GSR Gasoline:  Straight run
GTA Glutaraldehyde solution (50% or less)
HAC Hexadecyltrimethylammonium chloride
HAE Hexyl acetate
HAI 2-Hydroxyethyl acrylate
HAL n-Hexaldehyde
HAM Hexamethylenediamine adipate solution (50% or less)
HAS Hydroxylamine sulfate
HBA 2-Hydroxy-4-(methylthio)butanoic acid
HBR Hydrogen bromide
HCB Hexachlorobutadiene
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HCC   Hexachlorocyclopentadiene
HCE   Hexachloroethane
HCL   Hydrochloric acid
HCN   Hydrogen cyanide
HCP   Hexachlorophene
HCS   Hydrochloric acid, spent (15% or less)
HCZ   Hexachlorobenzene
HDA   Hydroxylamine
HDC   Hydrogen chloride
HDQ   Hydroquinone
HDS   Hydrogen sulfide
HDZ   Hydrazine
HEP   Heptanoic acid
HET   N-(Hydroxyethyl)ethylenediamine triacetic acid,
HEX   Hexene (all isomers)
HFA   Hydrofluoric acid
HFO   Hydraulic fluid or oll
HFS   Hydrofluorosilicic acid (25% or less)
HFX   Hydrogen fluoride
HMC   Hexamethylenediamine solution
HMD   Hexamethylenediamine
HMI   Hexamethyleneimine
HMT   Hexamethylenetetramine
HMX   Heptane (all isomers)
HOR   Herbicide orange
HPA   Hydroxypropyl acrylate
HPE   Heptyl acetate
HPI   iso-Heptane
HPM   Hydroxypropyl methacrylate
HPN   Hydrogen peroxide solution (over 8% but not over 60%)
HPO   Hydrogen peroxide
HPS   Hydrogen peroxide solution (over 60% but not over 70%)
HPT   n-Heptane
HPX   Heptene (all isomers)
HSA   sec-Hexyl acetate
HSE   Hydrogen selenide
HSS   Hexadecyl sulfate, sodium salt
HTC   Heptachlor
HTE   1-Heptene
HTN   Heptanol
HTS   Hexamethylenetetramine solutions
HTX   Heptanol (all isomers)
HXA   Hexane
HXE   1-Hexene
HXG   Hexylene glycol
HXN   1-Hexanol
HXO   Hexanoic acid
HXS   Hexane (all isomers)
HXT   2-Hexene
HXX   Hydrogen, liquefied
IAA   iso-Amyl alcohol
IAC   Isopropyl acetate
IAI   Isodecyl acrylate
IAL   Isobutyl alcohol
```

```
IAM   Isobutylamine
IAT   Isoamyl acetate
IBA   Isobutyl acetate
IBL   Isobutylene
IBN   Isobutyronitrile
IBR   Isobutyric acid
IBT   Isobutane
IDA   Isodecaldehyde
IGE   Isopropyl glycidyl ether
IHA   Isohexane
INW   CHEMICAL DELETED
IOA   Isooctyl alcohol
IOC   Isooctaldehyde
IOO   Isooctane
IOX   Iron oxide or Iron sponge
IPA   Isopropyl alcohol
IPC   Isopropyl percarbonate
IPD   Isophorone diisocyanate
IPE   iso-Propyl ether
IPH   Isophorone
IPI   Isophorone diamine
IPL   Isophthalic acid
IPM   Isopropyl mercaptan
IPN   Isoprene, Pentadiene mixture
IPO   Isopropylamine solution (90% or less)
IPP   iso-Propylamine
IPR   Isoprene
IPT   iso-Pentane
IPX   Isopropylcyclohexane
IRF   Isoprene raffinate
ISA   Isodecyl alcohol
ISP   o-Isopropyl phenol
IVA   iso-Valeraldehyde
JAO   Jet fuel:  Jet A-1
JPA   Jet fuel:  Jet A
JPB   Jet fuel:  Jet B
JPE   Jet fuel:  JP-8
JPF   Jet fuel:  JP-4
JPO   Jet fuel:  JP-1 (Kerosene)
JPT   Jet fuel:  JP-3
JPV   Jet fuel:  JP-5 (Kerosene, heavy)
KPE   Kepone
KPL   Kraft pulping liquors (free alkali content 3% or more)
KRS   Kerosene
LAC   Lead acetate
LAH   Lithium aluminum hydride
LAL   Linear alcohols (C12-c15)
LAR   Lead arsenate
LBC   Lithium bichromate
LCL   Lead chloride
LCP   Long chain alkaryl polyether (C11-c20)
LCR   Lithium chromate
LCS   Long chain alkaryl sulfonic acid (C16-c60)
LFB   Lead fluoborate
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```
LFR   Lead fluoride
LHD   Lithium hydride
LID   Lead iodide
LLS   Latex, liquid synthetic
LNG   Liquefied natural gas
LNI   Lactonitrile solution (80% or less)
LNT   Lead nitrate
LPG   Liquefied petroleum gas
LPO   Lauryl peroxide
LRA   Lauric acid
LRM   Lauryl mercaptan
LSA   Lead stearate
LSF   Lead sulfate
LSU   Lead sulfide
LTA   Lactic acid
LTC   Lead thiocyanate
LTH   Litharge
LTM   Lithium
LTS   Lead thiosulfate
LTT   Lead tetraacetate
LTU   Lead tungstate
LTX   Latex (Ammonia inhibited)
MAA   Methylamyl alcohol
MAB   Methyl diethanolamine blend
MAC   Methylamyl acetate
MAD   Methacrylic acid
MAE   Methyl acetoacetate
MAK   Methylamyl ketone
MAL   Methyl alcohol
MAM   Methyl acrylate
MAN   N-Methylaniline
MAP   Methyl acetylene, Propadiene mixture (MAPP)
MAS   Magnesium long chain alkaryl sulfonate (C11-C50)
MAT   Mercuric acetate
MBA   alpha-Methylbenzyl alcohol
MBE   Methyl tert-butyl ether
MBK   Methyl n-butyl ketone
MBL   Methyl butenol
MBO   3-Methylbutan-2-one
MBT   2-Mercaptobenzothiazole solutions
MBU   Methyl butyrate
MBY   Methyl butynol
MBZ   Methyl benzoate
MCA   Monochloroacetic acid
MCC   Mercuric ammonium chloride
MCD   Mercaptodimethur
MCE   Methylacetylene
MCF   Monochlorodifluoromethane
MCH   Methyl chloroformate
MCK   Methylcyclopentadiene dimer
MCL   Methallyl chloride
MCM   Monochlorotrifluoromethane
MCN   Mercuric cyanide
MCO   Metolachlor
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```
MCP   Methylcyclopentane
MCR   Mercury
MCS   Methyl dichlorosilane
MCT   Methylcyclopentadienylmanganese tricarbonyl
MCX   o-Methylcyclohexanone
MCY   Methylcyclohexane
MDB   4,4'-Methylene dianiline (43% or less) mixtures
MDC   Methyl dichloroacetate
MDE   Methyl diethanolamine
MEA   Ethanolamine
MEC   Methyl ethyl acrylate
MED   Methyl chloroacetate
MEK   Methyl ethyl ketone
MEN   2-Methyl-6-ethylaniline
MEP   2-Methyl-5-ethylpyridine
MES   Methyl salicylate
MET   Methacrylonitrile
MFA   Motor fuel anti-knock compounds (containing Lead
MFM   Methyl formate
MGN   Magnesium nitrate
MGS   Manufactured gas (more than 30% H2 by volume)
MGX   Magnesium
MHB   2-Methyl-2-hydroxy-3-butyne
MHK   Methyl heptyl ketone
MHX   Methylcyclohexanol
MHZ   Methyl hydrazine
MIA   Methylstyrene, Indenes, Alkylbenzene mixtures
MIC   Methyl isobutyl carbinol
MID   Mercuric iodide
MIK   Methyl isobutyl ketone
MIO   Methyl iodide
MIS   Methyl isocyanate
MIT   Methyl isothiocyanate
MKE   Methyl propyl ketone
MLA   Maleic anhydride
MLH   Maleic hydrazide
MLI   Maleic acid
MLL   Methyl allyl alcohol
MLS   Magnesium long chain alkyl salicylate (Cll+)
MLT   Malathion
MMC   Methyl mercaptan
MME   Monomethyl ethanolamine
MMM   Methyl methacrylate
MNA   1-Methylnaphthalene
MNS   Mineral spirits
MNT   Mercuric nitrate
MOA   3-Methoxybutyl acetate
MOC   Methoxychlor
MOX   Mercuric oxide
MPA   iso-Propanolamine
MPC   Magnesium perchlorate
MPD   Methylphosphonothioic dichloride, anhydrous
MPE   3-Methylpyridine
MPF   4-Methylpyridine
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```
MPK   Methyl isopropenyl ketone
MPL   Morphcline
MPN   2-Methyl-l-pentene
MPO   1-Methoxy-2-propyl acetate
MPR   2-Methylpyridine
MPS   Magnesium long chain alkylphenate sulfide (C8-C20)
MPT   Methyl parathion
MPY   N-Methyl-2-pyrrolidone
MRC   Mercuric chloride
MRD   Methacrylic resin, 1,2-Dichloroethane solution
MRE   Myrcene
MRN   Mercurous nitrate
MRR   Mercurous chloride
MRS   Mercuric sulfate
MRT   Mercuric thiocyanate
MRX   Mirex
MSA   Methanearsonic acid, sodium salts
MSE   Magnesium sulfonate
MSF   Mercur$c sulfide
MSO   Mesityl oxide
MSR   alpha-Methylstyrene
MSS   Metam sodium solution
MSU   Metal sulfide concentrate
MSY   SEE CODE:  MSZ
MSZ   Methylamine solution (42% or less)
MTA   Methylamine
MTB   Methyl bromide
MTC   Methyl chloride
MTE   Monochlorotetrafluoroethane
MTF   Methyl formal
MTG   Methoxytriglycol
MTH   Methane
MTM   Formaldehyde (50% or more), Methanol mixtures
MTN   4-Methyl-l-pentene
MTO   Molybdic trioxide
MTS   Methyltrichlorosilane
MTT   Methyl acetate
MUL   Multiple material releases
MUS   Methylolureas (20% free Formaldehyde)
MVK   Methyl vinyl ketone
MWS   Solvents, mixed/waste - possible contaminant
NAA   Nitrilotriacetic acid and salts
NAB   Nabam
NAC   Nitric acid
NAE   Nonyl acetate
NAI   iso-Nonanoic acid
NAL   p-Nitroaniline
NAN   Nonane
NAO   1-Naphthylamine
NAS   Nickel ammonium sulfate
NAT   Nonanoic, Tridecanoic acid mixture
NAX   Nonane (all isomers)
NBR   Nickel bromide
NCC   No CHRIS Code
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NCD   Nitric acid (70% or less)
NCL   Nickel chloride
NCN   Nickel cyanide
NCS   Nicotine sulfate
NCT   Coal tar naphtha solvent
NEA   Neodecanoic acid
NEC   Not elsewhere specified
NFB   Nickel fluoborate
NFM   Nickel formate
NFS   Naphthalene sulfonic acid-formaldehyde copolymer
NHX   Neohexane
NIA   Nitrating acid (mixture of Sulfuric and Nitric acids)
NIC   Nicotine
NIE   o-Nitrotoluene
NIN   n-Nonanoic acid
NIP   m-Nitrophenol
NIT   Nitrotoluene (o-, p-)
NKA   Nickelacetate
NKC   Nickel carbonyl
NKH   Nickel hydroxide
NKS   Nickel sulfate
NLA   Noxious liquid, (17) n.o.s.  ("trade name" contains
NLD   Naled
NLH   Noxious liquid, N.F.  (1) n.o.s.  ("trade name" contains
NLI   Noxious liquid F., (2) n.o.s.  ("trade name" contains
NLJ   Noxious liquid, N.F., (3) n.o.s.  ("trade name" contains
NLK   Noxious liquid, F.  (4) n.o.s.  ("trade name" contains
NLL   Noxious liquid N.F.  (5) n o s ("trade name" contains
NLM   Noxious liquid, N.F.  (6) n.o.s.  ("trade name" contains
NLN   Noxious liquid, F., i7) n.o.s.  ("trade name" contains
NLO   Noxious liquid, F., (8) n.o.s.  ("trade name" contains
NLP   Noxious liquid, N.F.  (9) n.o.s.  ("trade name" contains
NLQ   Noxious liquid F., i10) n.o.s.  ("trade name" contains
NLR   Noxious liquid, N.F., (11) n.o.s.  ("trade name"
NLS   Noxious liquid N.F.  (12) n.o.s.  ("trade name"
NLT   Noxious liquid F., i13) n.o.s.  ("trade name" contains
NLU   Noxious liquid, F., (14) n.o.s.  ("trade name" contains
NLV   Noxious liquid N.F.  (15) n.o.s.  ("trade name"
NLW   Noxious liquid, F., i16) n.o.s.  ("trade name" contains
NMA   Nonyl methacrylate
NMT   Nitromethane
NNA   Nonanoic acid (all isomers)
NNE   1-Nonene
NNI   iso-Nonyl alcohol
NNM   Nitropropane (60%) Nitroethane (40%) mixture
NNN   Nonyl alcohol
NNP   Nonyl phenol
NNS   Nonyl alcohol (all isomers)
NNT   Nickel nitrate
NON   Nonene
NOX   Nitrogen tetroxide
NPE   Nonyl phenol poly(4-12)ethoxylate
NPH   p-Nitrophenol
NPM   1- or 2-Nitropropane
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NPN  1-Nitropropane
NPP  2-Nitropropane
NPS  Nonyl phenol sulfide (dissolved HCL)
NSA  Naphthalene sulfonic acid, sodium salt solution (40% or
NSS  Naphtha:  Stoddard solvent
NSV  Naphtha:  Solvent
NSX  Natural substance
NTA  o-Nitroaniline
NTB  Nitrobenzene
NTC  Nitrosyl chloride
NTD  NITROBENZENE, (MONO-)
NTE  Nitroethane
NTH  2,2',2"-Nitrilotriethanol
NTI  Naphthenic acid
NTL  Nitralin
NTM  Naphthalene (molten)
NTO  Nitrous oxide
NTP  o-Nitrophenol (molten)
NTR  m-Nitrotoluene
NTS  Naphthenic acid, sodium salt solution
NTT  p-Nitrotoluene
NTX  Nitric oxide
NVM  Naphtha:  VM & P (75% Naphtha)
NXX  Nitrogen, liquefied
OAA  Octanoic acid
OAC  Oleic acid, sodium salt
OAE  Octyl acetate
OAL  Octyl aldehydes
OAM  alpha-Olefins (C6-C18) mixtures
OAN  Octane
OAP  Oleic acid, potassium salt
OAS  Oil, misc:  Absorption
OAX  Octane (all isomers)
OAY  Octanoic acid (all isomers)
OBB  Oil, edible:  Babassu
OBN  Oil, edible:  Beechnut
OCA  Oil, edible:  Castor
OCB  Oil, edible:  Cocoa butter
OCC  Oil, edible:  Coconut
OCF  Oil:  Clarified
OCL  Oil, edible:  Cod liver
OCM  Oil, edible:  Coconut, fatty acid methyl ester
OCN  Cashew nut shell oil (untreated)
OCO  Oil, edible:  Corn
OCP  Olefin/Alkyl ester copolymer (molecular weight 2000+)
OCR  Oil, misc:  Croton
OCS  Oil, edible:  Cottonseed
OCT  Oil:  Coal tar
OCX  Octanol (all isomers)
ODA  Octyl decyl adipate
ODD  Octadecenoamide solution
ODP  Octyl decyl phthalate
ODS  Oil:  Diesel
OET  Octyl epoxytallate
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OFR   Oil, fuel:  No.  4
OFS   Oil, edible:  Fish
OFV   Oil, fuel:  No.  5
OFX   Olefin mixtures (C5-C7)
OFY   Olefin mixtures (C5-C15)
OGN   Oil, edible:  Groundnut
OHN   Oil, edible:  Hazelnut
OIL   Oil:  Crude
OIS   Oil, misc:  Soapstock
OLA   Oleic acid
OLB   Oil, misc:  Lubricating
OLD   Oil, edible:  Lard
OLL   Oil, misc:  Lanolin
OLM   Oleum
OLS   Oil, misc:  Linseed
OLX   n-Octyl aldehyde
OMA   Oil, misc:  Animal
OMN   Oil, misc:  Mineral
OMS   Oil, misc:  Mineral seal
OMT   Oil, misc:  Motor
OMU   Oil, edible:  Mustard seed
ONB   Oil, edible:  Nutmeg butter
ONE   Octyl nitrates (all isomers)
ONF   Oil, misc:  Neatsfoot
OOD   Oil, fuel:  No.  1-D
OOI   Oil, misc:  Oiticica
OOL   Oil, edible:  Olive
OON   Oil, fuel:  No.  1
OPE   Oil, misc:  Palm oil, methyl ester
OPI   Oil, misc:  Pine
OPL   Oil, misc:  Pilehard
OPM   Oil, edible:  Palm
OPN   Oil, edible:  Peanut
OPO   Oil, edible:  Palm kernel
OPR   Oil, misc:  Perilla
OPT   Oil, misc:  Penetrating
OPY   Oil, edible:  Poppy
ORA   Oil, edible:  Raisin seed
ORB   Oil, edible:  Riae bran
0RD   0il, misc:  Road
0RG   Oil, misc:  Range
ORN   Rosin oil
ORP   Oil, edible:  Rapeseed
ORS   Oil, misc:  Resin
OSB   Oil, edible:  Soya bean
OSD   Oil, misc:  Spindle
OSF   Oil, edible:  Safflower
OSL   Oil, edible:  Salad
OSM   OLEFINS, STRAIGHT CHAIN MIXTURE
OSN   Oil, edible:  Sunflower seed
OSP   Oil, misc:  Sperm
OSS   Oil, edible:  Sesame
OSX   Oil, fuel:  No.  6
OSY   Oil, mist:  Spray
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OTA   Octanol
OTB   Oil, misc:  Turbine
OTC   Oil, edible:  Tucum
OTD   Oil, fuel:  No.  2-D
OTE   1-Octene
OTF   Oil, misc:  Transformer
OTG   Oil, misc:  Tung
OTH   Other oil, oil with no CHRIS Code
OTL   Tall oil (crude and distilled)
OTN   Oil, misc:  Tanner's
OTW   Oil, fuel:  No.  2
OTX   Octene (all isomers)
OUN   Unknown material, Oil or Oil-like
OVG   Oil, edible:  Vegetable
OWH   Oil, misc:  Whale
OWN   Oil, edible:  Walnut
OXA   Oxalic acid
OXY   Oxygen, liquefied
PAA   Peracetic acid
PAB   Polyolefin amide alkeneamine borate (C28-C250)
PAC   Phosphoric acid
PAD   Propionaldehyde
PAH   Propionic anhydride
PAJ   SEE CODE:  MPA
PAL   n-Propyl alcohol
PAM   SEE CODE:  PRA
PAN   Phthalic anhydride (molten)
PAO   Polyalkylene oxide polyol
PAS   Potassium arsenate
PAT   n-Propyl acetate
PAX   Propanolamine (iso-, n-)
PBO   Potassium binoxalate
PBP   Propylene-Butylene copolymer
PBR   Phosphorus tribromide
PBZ   n-Propylbenzene
PCB   Polychlorinated biphenyls
PCE   Pentachloroethane
PCH   Potassium chromate
PCL   Perchloric acid
PCM   Perchloromethyl mercaptan
PCN   Propionitrile
PCO   Petroleum coke
PCP   Pentachlorophenol
PCR   Potassium chlorate
PDC   Pentadecanol
PDE   1,3-Pentadiene
PDH   Paraldehyde
PDI   SEE CODE:  PDE
PDL   Phenyldichloroarsine, liquid
PDN   1,4-Pentadiene
PDR   Propylene dimer
PDT   Potassium dichloro-s-triazinetrione
PEB   Polyethylene polyamines
PEE   Polyethylene glycol monoalkyl ether
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PEH   PENTAETHYLENEHEXAMINE
PEN   Pentaethylenehexamine
PEP   Pentaethylenehexamine, Tetraethylenepentamine mix
PER   Perchloroethylene
PET   Pentaerythritol
PFA   Paraformaldehyde
PFN   n-Paraffins (C10-c20)
PGA   Pyrogallic acid
PGB   Polyalkylene glycol butyl ether
PGC   Polypropylene glycol
PGE   Propylene glycol monoalkyl ether
PGM   Polypropylene glycol methyl ether
PGS   Polyglycerine, Sodium salts solution (containing 3% or
PGT   Polyglycerine, Sodium salts solution (containing less
PGY   Propylene glycol ethyl ether
PHD   Phosdrin
PHE   Phenylhydrazine
PHG   Phosgene
PHH   Phenylhydrazine hydrochloride
PHN   Phenol (or solutions with 5% or more Phenol)
PHO   Phenolated oil
PHS   NO CHEMICAL
PII   Propyleneimine
PIN   Pinene
PIT   Pitch prill, Prilled coal tar, or Pencil pitch
PIX   Polyalkyl(C18-C22) acrylate in Xylene
PLA   n-Propanolamine
PLB   Polybutene
PLP   Polypropylene
PLT   beta-Propiolactone
PLX   Paint, latex
PMA   Phenylmercuric acetate
PME   Propylene glycol methyl ether
PMN   n-Propyl mercaptan
PMS   Palm stearin
PMT   Polyalkyl methacrylate (Cl-C20)
PNA   Propionic acid
PNE   2-Pentanone
PNF   Palm kernel oil, fatty acid methyl ester
PNH   Phenol hydrate
PNI   Propyl nitrate
PNO   Palm kernel oil, fatty acid
PNR   Potassium nitrate
PNT   3-Pentenenitrile (crude)
POA   Potassium arsenite
POB   Paint, oil-based
POC   Pentanoic acid
POD   Polyolefin amide alkeneamine (C28+)
POE   Potassium oleate
POP   Potassium peroxide
POS   Polyolefin ester (C28-C250)
POX   Propylene oxide
PPA   Polyphosphoric acid
PPB   Phosphorus, black
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```
PPD Propanedinitrile
PPE n-Pentyl propionate
PPG Propylene glycol
PPH Polyolefin phenolic amine (C28-C250)
PPI Polymethylene polyphenyl isocyanate
PPL Propylene
PPM Propylene, Propane, MAPP gas mixture (containing 12% or
PPO Phosphorus oxychloride
PPP Phosphorus pentasulfide
PPR Phosphorus, red
PPS Polyolefin phosphorosulfide - Barium derivative
PPT Phosphorus trichloride
PPW Phosphorus, white
PPX Polyalkylene glycols, Polyalkylene glycol monoalkyl
PPZ Piperazine
PRA n-Propylamine
PRB Pyridine bases
PRC n-Propyl chloride
PRD Pyridine
PRE n-Propyl ether
PRF Pyrolysis residual fuels
PRG Propargite
PRO Propargyl alcohol
PRP Propane
PRR Pyrethrins
PRS PROSILAGE
PSM Poly(20)oxyethylene sorbitan monooleate
PSS Polyferric sulfate solution
PTA n-Pentane
PTB Pentaborane
PTC Potassium cyanide
PTD Potassium dichromate
PTE 1-Pentene
PTH Potassium hydroxide
PTI Potassium iodide
PTL Petrolatum
PTM Potassium
PTN Petroleum naphtha
PTO Parathion
PTP Potassium permanganate
PTR Propylene trimer
PTS Potassium oxalate
PTT Propylene tetramer
PTX Pentene (all isomers)
PTY Pentane (all isomers)
PVB NO CHEMICAL
PVD NO CHEMICAL
PXE 1-Phenyl-1-xylyl ethane
PXP n-Propoxypropanol
PYR Polyether (molecular weight 2000+)
QNL Quinoline
RAD Radioactive materials
RAM Radioactive material
RFG Refrigerant gases
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RSC  Resorcinol
RSP  Rosin soap (disproportionated) solution
SAB  Alkylbenzenesulfonates
SAC  Sulfuric acid, spent
SAL  Sallcylaldehyde
SAM  Sodium amide
SAN  Sodium acetate solution
SAR  Sodium arsenite
SAS  Sodium alkyl sulfates
SAT  Sodium fluoroacetate
SAU  Sodium aluminate solution (45% or less)
SAZ  Sodium azide
SBF  Sodium bifluoride
SBH  Sodium borohydride
SBI  Sodium borohydride (13%)
SBN  Sodium benzoate solution
SBR  Sodium bromate solution
SBS  Sodium bisulfite
SBT  Sorbitol
SBX  Sodium borohydride (15% or less), Sodium hydroxide
SCD  Sodium cacodylate
SCE  Sodium carbonate solutions
SCH  Sodium chromate
SCK  Seed cake
SCL  Sulfuryl chloride
SCM  Strontium chromate
SCN  Sodium cyanide
SCR  Sodium dichromate
SCS  Sodium cyanide solution (30% or less)
SCY  Sodium thiocyanate
SCZ  Sodium chromate solution (42% or less)
SDA  Sodium arsenate
SDB  Sodium borate
SDC  Sodium chlorate
SDD  Sodium chlorate solution (50% or less)
SDF  Sodium fluoride
SDH  Sodium hydride
SDL  Sodium dichromate solution (70% or less)
SDN  Sodium nitrate
SDS  Sodium sulfide
SDT  Sodium dichloro-s-triazinetrione
SDU  Sodium, metallic
SFA  Sulfuric acid
SFC  Sodium ferrocyanide
SFD  Sulfur dioxide
SFL  Sulfolane
SFM  Sulfur monochloride
SFO  Sulfohydrocarbon (C3-C88)
SFR  Sodium silicofluoride
SFX  Sulfohydrocarbon, Long chain (C18) alkylamine mixture
SHC  Sodium hypochlorite
SHD  Sodium hydroxide
SHP  Sodium hypochlorite solution (15% or less)
SHR  Sodium hydrosulfide solution (45 or less)
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SHS   SEE CODE:  SHR
SHX   Sodium hydrogen sulfite solution (35% or less)
SLA   Salicylic acid
SLD   Selenium dioxide
SLS   Sodium long chain alkyl salicylate (C13+)
SMB   Sodium 2-mercaptobenzothiazol solution
SMD   Sodium N-methyldithiocarbamate solution (33% or less)
SML   Sodium methylate
SMN   Silicomanganese
SNI   Sodium nitrite solution
SNP   Sodium nitrate, Potassium nitrate mixture
SNS   Sodium naphthalene sulfonate solution (40% or less)
SNT   Sodium nitrite
SOX   Sodium oxalate
SPC   Sodium pentachlorophenate
SPH   Sodium phosphate (tribasic)
SPP   Sodium phosphate
SPS   Sodium petroleum sulfonate
SRA   Stearic acid
SRS   Sucrose
SSA   Sodium hydrosulfide, Ammonium sulfide solution
SSC   Sodium silicate
SSE   Sodium selenite
SSF   Sodium sulfite
SSH   Sodium sulfide, hydrosulfide solution (H2S 15 ppm or
SSI   Sodium sulfide, hydrosulfide solution (H2S greater than
SSJ   Sodium sulfide, hydrosulfide solution (H2S greater than
SSN   Sodium silicate solution
SSS   Sodium hydrogen sulfide (6% or less), Sodium carbonate
SSU   Sodium alkyl sulfonate solution
STA   Sodium ferric hydroxyethylenediamine triacetate
STC   Silicon tetrachloride
STF   Stannous fluoride
STN   Strontium nitrate
STO   Selenium trioxide
STR   Strychnine
STS   Sodium thlocyanate solution (56% or less)
STT   Styrene tar
STX   Styrene (crude)
STY   Styrene
SUR   SURFONIC N-95
SUS   Sodium sulfite solution
SVA   Silver acetate
SVC   Silver carbonate
SVF   Silver fluoride
SVI   Silver iodate
SVN   Silver nitrate
SVO   Silver oxide
SVS   Silver sulfate
SWD   Sawdust
SWR   Sewage, raw
SWT   Sewage, treated
SXX   Sulfur (molten)
TAA   Trimethylacetic acid
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TAE   Tridecyl acetate
TAL   Triethylaluminum
TAN   Tallow alkyl nitrile
TAP   p-Toluenesulfonic acid
TAS   2,4,5-Trichlorophenoxyacetic acid, sodium salt
TBL   Tar balls
TBP   Tributyl phosphate
TBT   Tetrabutyl titanate
TBZ   1,2,3-Trichlorobenzene
TCA   2,4,5-Trichlorophenoxyacetic acid
TCB   1,2,4-Trichlorobenzene
TCE   1,1,1-Trichloroethane
TCF   Trichlorofluoromethane
TCH   Trichloroacetaldehyde
TCL   Trichloroethylene
TCM   1,1,2-Trichloroethane
TCN   1,2,3-Trichloropropane
TCO   Tricresyl phosphate (1% or more of the ortho isomer)
TCP   Tricresyl phosphate (less than 1% of the ortho isomer)
TCS   Trichlorosilane
TCT   Trichloro-s-triazinetrione
TDA   Toluenediamine
TDB   Tetradecylbenzene
TDC   1-Tridecene
TDD   Toluene diisocyanate, Diphenylmethane diisocyanate
TDH   SEE CODE:  TDI
TDI   Toluene diisocyanate
TDN   Tridecanol
TEA   Triethanolamine
TEB   Triethylbenzene
TEC   1,1,2,2-Tetrachloroethane
TED   Tetraethyl dithiopyrophosphate
TEG   Triethylene glycol
TEL   Tetraethyl lead
TEN   Triethylamine
TEO   SEE CODE:  TEC
TEP   Tetraethyl pyrophosphate
TES   2,4,5-T esters
TET   Triethylenetetramine
TFA   Tallow fatty alcohol
TFC   Trifluorochloroethylene
TFD   Tallow fatty acid
TFE   Tetrafluoroethylene
TFR   Trifluralin
TGC   Tripropylene glycol
TGD   Triethylene glycol di-(2-ethylbutyrate)
TGE   Triethylene glycol ethyl ether
TGM   Tripropylene glycol methyl ether
TGY   Triethylene glycol methyl ether
THA   Trimethylhexamethylenediamine (2,2,4- and
THB   Thallium carbonate
THC   Thiocarbamide
THF   Tetrahydrofuran
THI   Trimethylhexamethylene diisocyanate (2,2,4- and
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THN   Tetrahydronaphthalene
THR   Thiram
TIA   Triisobutylaluminum
TIB   Triisobutylamine
TIP   Triisopropanolamine
TKG   Tankage
TLA   Thallium acetate
TLI   o-Toluidine
TLO   Tallow
TMA   Trimethylamine
TMB   1,3,5-Trimethylbenzene
TMC   Trimethylchlorosilane
TMD   1,2,3-Trimethylbenzene
TME   1,2,4-Trimethylbenzene
TML   Tetramethyl lead
TMP   2,2,4-Trimethyl-1,3-pentanediol-1-isobutyrate
TNA   Tannic acid
TNI   Thallium nitrate
TNM   Tetranitromethane
TOD   p-Toluidine
TOF   Tall oil fatty acid (Resin acids less than 20%)
TOI   m-Toluidine
TOL   Toluene
TOS   Tall oil soap (disproportionated) solution
TPA   2-(2,4,5-Trichlorophenoxy)propanoic acid
TPB   Triphenylborane (10% or less), caustic soda solution
TPE   2-(2,4,5-Trichlorophenoxy)propanoic acid, isooctyl
TPG   Thiophosgene
TPH   Trichlorophenol
TPI   Triethyl phosphite
TPO   Tris(aziridinyl)phosphine oxide
TPP   Trimethyl phosphite
TPR   Trimethylol propane polyethoxylate
TPS   Triethyl phosphate
TPT   Turpentine
TRA   Triarylphosphate (unspecified)
TRB   Tridecyl benzene
TRC   Trichlorfon
TRD   Tridecane
TRE   Trimethylbenzenes (all isomers)
TRL   Tripropylamine
TRN   Thorium nitrate
TRP   Trixylenyl phosphate
TSA   TRIISOPROPANOLAMINE SALT OF 2,4-DICHLOROPHENOXY ACETIC
TSU   Thallium sulfate
TTB   1,2,3,5-Tetramethylbenzene
TTD   1-Tetradecene
TTE   Tetrachloroethylene
TTF   1,1,2-Trichloro-1,2,2-trifluoroethane
TTG   Tetraethylene glycol
TTN   Tetradecanol
TTP   Tetraethylenepentamine
TTT   Titanium tetrachloride
TXP   Toxaphene
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```
UAN   Uranyl nitrate
UAP   Urea, Ammonium phosphate solution
UAS   Urea, Ammonium nitrate solution (containing more than
UAT   Urea, Ammonium nitrate solution (containing
UDA   Undecanoic acid
UDB   Undecylbenzene
UDC   1-Undecene
UND   Undecyl alcohol
UNK   Unknown material
UPO   Urea peroxide
UPX   Urea, Ammonium mono- and di-hydrogen phosphate,
URA   Uranyl acetate
URE   Urea
URP   Uranium peroxide
URS   Uranyl sulfate
VAK   Valeraldehyde (iso-, n-)
VAL   n-Valeraldehyde
VAM   Vinyl acetate
VBL   Vanillin black liquor (free alkali content 3% or more)
VCH   Vinylcyclohexene
VCI   Vinylidene chloride
VCM   Vinyl chloride
VEE   Vinyl ethyl ether
VFI   Vinyl fluoride
VME   Vinyl methyl ether
VND   Vinyl neodecanate
VNO   Vanadium oxide
VNT   Vinyltoluene
VOT   Vanadium oxytrichloride
VOX   Vanadium pentoxide
VSF   Vanadyl sulfate
VTS   Vinyltrichlorosilane
WAX   Waxes
WCA   Wax:  Carnauba
WCD   Wax:  Candelilla
WDC   Wood chips or Wood chip pellets
WPF   Wax:  Paraffin
WSL   White spirit (low (15-20%) aromatic)
WSP   White spirit
WTO   Oil, waste/lubricants - possible contaminant
XLM   m-Xylene
XL0   o-Xylene
XLP   p-Xylene
XLX   Xylenes
XYL   Xylenol
ZAC   Zinc ammonium chloride
ZAD   Zinc alkaryl dithiophosphate (C7-C16)
ZAP   Zinc alkyl dithiophosphate (C3-C8)
ZAR   Zinc arsenate
ZAS   Zinc ashes, Dross, Residues, or Skimmings
ZAT   Zinc alkyl dithiophosphate (C9-C14)
ZBB   See code:  DZB
ZBC   Zinc bichromate
ZBO   Zinc borate
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ZBR  Zinc bromide
ZBS  See code:  OZB
ZCA  Zirconium acetate
ZCB  Zinc carbonate
ZCB  Zinc chloride
ZCN  Zinc cyanide
ZOO  zirconium oxychloride
ZCR  Zinc ohromate
ZCS  Zirconium sulfate
lOT  Zirconium tetrachloride
ZDP  Zinc dialkyldithiophosphate
ZBC  Zeotran
ZFB  Zinc fluoborata
ZFM  Zinc formate
ZFX  Zinc fluoride
ZHS  Zinc hydrosulfite
ZXR  Zirconium nitrate
ZNA  Zinc acetate
ZNT  Zinc nitrate
ZPC  Zinc Potassium chromate
2PF  Zirconium potassium fluoride
ZPP  Zinc phosphide
ZPS  Zina phenolaulfonate
ZSF  Zinc sulfate
ZSL  Zinc silicofluoride
ZZZ  test/151-3; 153-1
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